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OF THE REGISTRAR-GENERAL

Scotland
BIRTHS, DEATHS AND
MARRIAGES

Registered in sixteen of the Principal Towns

January, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of January 1939 the births (corrected for transfer to place of usual residence) of 3,927 living children, of whom 2,055 were males and 1,872 were females. Compared with the number in the previous month the total births were 138 more, male births being 120 more and female births 18 more. The monthly birth-rate (living children only) in these towns taken collectively was 18·0 per thousand. This rate is 0·6 more than that for the previous month but is 0·7 below the five years' average. The births of 158 still-born children were registered in these towns during the month in accordance with the provisions of the Registration of Still-births (Scotland) Act, 1938, which came into operation on 1st January 1939.

In the individual towns the monthly birth-rate ranged from 21·8 in Motherwell and Wishaw, 21·3 in Coatbridge and 20·5 in Greenock, to 15·6 in Edinburgh and in Falkirk, 14·3 in Ayr and 14·2 in Kirkealdy. In Hamilton the rate was 19·7, in Glasgow 19·5, in Clydebank 18·6, in Paisley 18·0, in Dunfermline 17·4, in Kilmarnock 16·6, in Perth 16·5, in Dundee 16·0 and in Aberdeen 15·7.

Of the 3,927 living children whose births were registered during the month, 3,708 or 94·4 per cent. were legitimate, while 219 or 5·6 per cent. were illegitimate. The legitimate children numbered 125 more than in the previous month and the illegitimate children 13 more. The illegitimate percentage for the month is 0·2 above that for the previous month. In the individual towns it ranged from 9·8 in Perth, 9·1 in Hamilton and 7·8 in Falkirk, to 3·5 in Kilmarnock, 2·9 in Paisley and 1·8 in Kirkealdy. In Glasgow the rate was 5·1 and in Edinburgh 6·4.

Marriages.—Marriages registered during the month numbered 2,214 and are 38 fewer than in the previous month. The marriage-rate, 10·1 per thousand, is 0·3 below that for the previous month but 0·1 above the average. In the individual towns it ranged from 15·5 in Dunfermline, 14·4 in Kirkealdy and 13·5 in Falkirk, to 7·8 in Motherwell and Wishaw, 6·0 in Ayr and 5·0 in Greenock.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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In Glasgow the rate was 11·4 and in Edinburgh 9·5. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 3,979, of which 1,980 were of males and 1,999 were of females. This number is 724 more than in the previous month, males being 342 more and females 382 more.

The monthly death-rate in these towns taken collectively was 18·2 per thousand, being 3·2 above that for the previous month and 0·9 above the average. In the towns taken individually the death-rate ranged from 21·1 in Paisley, 20·2 in Glasgow and in Falkirk and 19·9 in Greenock, to 14·6 in Ayr, 14·2 in Clydebank and 12·3 in Aberdeen and in Dunfermline. In Motherwell and Wishaw the rate was 18·7, in Perth 18·4, in Coatbridge 18·2, in Kilmarnock 17·8, in Hamilton 17·6, in Dundee 16·8, in Edinburgh 16·5 and in Kirkcaldy 15·2.

Deaths of children aged less than one year numbered 396 and equalled an infantile mortality rate of 99 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 35 more than in the previous month, while the rate is 9 more than in that month but 9 below the average. In the individual towns this rate ranged from 193 in Falkirk, 191 in Perth and 182 in Kilmarnock, to 68 in Dundee and in Kirkcaldy, 64 in Edinburgh and 18 in Ayr. In Coatbridge the rate was 161, in Paisley 153, in Motherwell and Wishaw 125, in Clydebank 108, in Hamilton 107, in Dunfermline 106, in Glasgow 105, in Greenock 99 and in Aberdeen 70.

Causes of Death.—Deaths from the principal epidemic diseases numbered 300 and equalled a death-rate of 1·4 per thousand. These deaths are 190 more than in the previous month and the rate is 0·9 more. They include none from typhoid fever, none from measles, 5 from scarlet fever, 64 from whooping-cough, 26 from diphtheria, 183 from influenza, 6 from cerebro-spinal fever, and 16 from other epidemic diseases, 7 of which were ascribed to lethargic encephalitis, 4 to dysentery, 4 to erysipelas and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from scarlet fever are the same, from whooping-cough 33 more, from diphtheria 5 fewer, from influenza 152 more, from cerebro-spinal fever the same and from other epidemic diseases 10 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 859 and equalled a death-rate of 3·9 per thousand. Compared with the number in the previous month these deaths are 347 more, while the rate is 1·5 more and is 0·3 above the average.

Deaths from all forms of tuberculosis numbered 215, of which 173 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 38 more and those from respiratory tuberculosis 28 more. Compared with the average the former are the same and the latter 1 more.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

JANUARY 1939.

Mean barometric pressure, 29·593 inches; less than the average* by 0·304 in.

Mean temperature, 37·1° F.; less by 2·1° F.

Mean daily range of temperature, 9·0° F.; greater by 0·1° F.

Mean daily sunshine, 1·36 hour; greater by 0·03 hour.

Rain, depth in inches, 3·82; greater by 0·84 inch.

Wind, direction of: a 7 days' excess of winds between north-west and north-east.

A continual succession of depressions passing across the British Isles maintained unsettled weather throughout the greater part of the month. Rainfall

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

over Scotland was remarkable for its persistency rather than its intensity, the only relatively dry spells being from the 2nd to the 5th and from the 27th to the end of the month. The earlier dry spell was characterised by extreme cold, especially at inland stations. The most stormy weather occurred on the 15th and 16th, when an intense depression to the west of Scotland moved slowly north-east. Gales occurred in all districts and wind gusts up to 70 miles per hour were registered at the Bell Rock and up to 63 miles per hour at Kirkwall. Conditions were even more severe to the south-west and south of these islands and especially in the English Channel. Scotland escaped the great gales of the 22nd and 23rd which caused much damage to shipping in the south. The extremes of pressure in Edinburgh were 30.31 inches on the 29th and 28.63 inches on the 15th.

Intensely cold weather was experienced over the whole of Scotland during the first week. At some inland places the minima exceeded the remarkably low values registered in December. Extreme values reported were 1° F. (31 degrees of frost) at Braemar and Dalwhinnie on the 4th, 6° F. at Logie Coldstone on the 6th, 7° F. at Balmoral on the 4th and 6th and also at West Linton on the 6th. There was a sharp rise in temperature in all districts on the 7th, on which day most stations recorded the highest temperature of the month; 55° F. was reported from Onich and 54° F. from Ayr and Colmonell, while many other stations in the south and west counties had maxima of 50° F. or slightly above. Ground frosts occurred on every day except the 9th and 20th and were particularly severe in the first week. Thermometers exposed on the ground registered -2° F. (34 degrees of frost) at Braemar on the 4th and at Dalwhinnie on the 6th.

In western and northern districts sunshine was abundant; at Stornoway, Onich and Oban the aggregates were more than double the normal. In the east of the country there was a deficiency of sunshine. The largest aggregates reported were 68 hours at Tiree, 67 hours at Oban, 65 hours at Turnberry and 63 hours at Troon and Prestwick. Less than 30 hours' sunshine were registered at some inland stations and in the extreme north. The smallest aggregates were 20 hours at Peebles and 14 hours at Fort Augustus.

Rainfall exceeded the normal in the east and north of Scotland and also south of a line drawn from Dundee to Renfrew. The areas of greatest excess were along the Firth of Tay and in the extreme south-east, where appreciably more than double the normal rainfall was recorded. Totals were deficient in the west and some places in Argyll received only about half their normal rainfall. The wettest day was the 14th, when daily amounts exceeding an inch were measured in nearly all districts. The largest falls reported on this day were 2.55 inches at Lochgoilhead, 2.45 inches at Ardarroch near Garelochhead and 2.41 inches at West Kilbride. Other outstanding daily falls were 1.80 inch at Fort William and 1.50 inch at Kinlochquoich on the 7th, 1.60 inch at Canonbie and 1.58 inch at Fort William on the 8th, and 1.80 inch at Balerno on the 18th.

Hail was reported locally on 23 days. It was fairly widespread on the 24th.

Snow fell frequently throughout the month in all districts. The falls on the 1st and from the 24th to 28th were widespread. At Braemar there was 6 to 8 inches undrifted snow in the first week and again about 8 inches on the 28th and 29th. Snow or sleet fell in one place or other on 25 days in the month.

Fog occurred locally on 22 days. It was most prevalent at Greenock, where it was reported on 16 days.

Gales were reported on 16 days. The most severe was on the 15th, when the wind attained a mean speed of 50 miles per hour between 11 p.m. and midnight at the Bell Rock.

Thunderstorms occurred in Edinburgh and some east coast towns on the night of the 25th. Thunder was also reported at Kirkwall on the 8th and at Stornoway on the 8th and 9th.

Aurora was observed in Orkney or Shetland on 13 nights. Only one other report was received—from Aberdeen on the 13th.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 8.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, January 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.						
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)	
										Both Sexes.	Males.	Females.	Out.	In.		
GLASGOW, . . .	1,093,337	1,131,600	1870	971	899	1775	85	76	1093	2121	1073	1048	210	33	1944	
EDINBURGH, . .	439,010	473,200	625	323	302	585	40	13	380	754	364	400	118	17	663	
DUNDEE, . . .	175,681	178,200	242	149	93	226	16	13	124	261	118	143	16	10	255	
ABERDEEN, . .	169,803	179,400	239	127	112	221	18	11	135	237	127	110	53	3	187	
PAISLEY, . . .	86,445	91,700	140	70	70	136	4	5	70	164	79	85	21	21	164	
GREENOCK, . .	79,012	81,600	142	76	66	133	9	4	35	141	71	70	10	7	138	
MOTHERWELL AND WISHAW, . .	65,611	67,900	126	72	54	119	7	4	45	88	53	35	1	21	108	
CLYDEBANK, . .	46,991	48,000	76	37	39	73	3	5	33	34	18	16	2	26	58	
KIRKCALDY, . .	43,874	45,600	55	24	31	54	1	3	56	54	25	29	5	10	59	
COATBRIDGE, . .	43,312	45,300	82	36	46	77	5	4	34	61	36	25	1	10	70	
KILMARNOCK, . .	38,681	40,300	57	26	31	55	2	5	29	67	31	36	12	6	61	
HAMILTON, . . .	38,112	39,500	66	33	33	60	6	4	37	59	32	27	5	5	59	
AYR,	38,905	41,100	50	29	21	48	2	4	21	69	34	35	22	4	51	
FALKIRK, . . .	36,566	38,400	51	24	27	47	4	1	44	78	45	33	15	3	66	
DUNFERMLINE, .	35,058	37,300	55	26	29	53	2	4	49	49	22	27	14	4	39	
PERTH,	35,051	36,400	51	32	19	46	5	2	29	74	39	35	19	2	57	
TOTAL (SIXTEEN TOWNS)	2,465,449	2,575,500	3927	2055	1872	3708	219	158	2214	4321	2167	2154	524	182	3979	

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, January 1939.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- lousis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	19.5	5.1	11.4	22.1	20.2	2.0	1.2	1.0	5.2	196	105	
EDINBURGH, .	15.6	6.4	9.5	19.0	16.5	0.5	0.8	0.6	3.0	41	64	
DUNDEE, . .	16.0	6.6	8.2	17.2	16.8	0.6	1.3	1.1	2.7	13	68	
ABERDEEN, .	15.7	7.5	8.9	15.6	12.3	0.3	0.3	0.1	1.4	18	70	
PAISLEY, . .	18.0	2.9	9.0	21.1	21.1	2.3	1.0	0.9	4.1	22	153	
GREENOCK, .	20.5	6.3	5.0	20.3	19.9	1.6	1.2	1.0	2.9	14	99	
MOTHERWELL AND WISHAW, .	21.8	5.6	7.8	15.3	18.7	0.7	1.0	0.7	5.0	14	125	
CLYDEBANK, .	13.6	3.9	8.1	8.3	14.2	1.0	0.5	0.2	3.9	8	108	
KIRKCALDY, .	14.2	1.8	14.4	13.9	15.2	0.3	0.5	0.5	1.5	4	68	
COATBRIDGE, .	21.3	6.1	8.8	15.9	18.2	0.5	1.0	0.3	3.9	15	161	
KILMARNOCK, .	16.6	3.5	8.5	19.6	17.8	2.9	..	..	2.9	12	182
HAMILTON, . .	19.7	9.1	11.0	17.6	17.6	1.8	0.9	0.9	2.7	8	107	
AYR,	14.3	4.0	6.0	19.8	14.6	0.6	1.1	1.1	2.3	1	18	
FALKIRK, . . .	15.6	7.8	13.5	23.9	20.2	1.5	1.5	1.2	4.0	11	193	
DUNFERMLINE, .	17.4	3.6	15.5	15.5	12.3	0.6	0.3	..	1.6	5	106	
PERTH,	16.5	9.8	9.4	23.9	18.4	1.0	0.6	..	3.2	9	191	
TOTAL . (SIXTEEN TOWNS)	15.0	5.6	10.1	19.8	18.2	1.4	1.0	0.8	3.9	396	99	

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for January 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JAN. 1939.	18.0	5.6	10.1	18.2	0	0	5	64	26	183	6	16	99	37°·1
JAN. 1938.	18.2	5.5	9.3	16.5	5	62	7	4	32	43	6	13	97	40°·5
JAN. 1937.	18.3	5.7	9.6	21.8	0	2	4	104	26	771	10	11	111	46°·6
JAN. 1936.	19.2	5.6	9.4	18.1	1	10	6	14	16	80	6	17	139	36°·4
JAN. 1935.	18.3	5.9	10.7	15.7	1	11	8	65	27	103	3	9	100	44°·5
JAN. 1934.	19.8	6.4	10.9	14.4	0	4	19	14	29	31	12	25	94	41°·7
JAN. 1933.	18.1	6.1	9.5	20.5	2	4	13	113	18	444	21	23	146	36°·3
JAN. 1932.	19.5	5.9	9.2	14.0	0	100	14	11	27	30	12	19	95	43°·2
JAN. 1931.	19.9	6.5	8.9	16.4	2	4	9	85	28	42	23	19	118	37°·3
JAN. 1930.	21.0	6.9	9.2	15.7	0	79	11	23	26	26	12	24	123	39°·4
JAN. 1929.	21.0	6.7	9.2	30.7	0	1	7	81	23	824	15	16	176	35°·1

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	-	5	2	3	-	1	1	-	2	-	1	-	-	-	-	-	-
6	Whooping-cough -	-	64	22	42	29	33	2	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	-	26	17	9	-	12	13	-	-	-	1	-	-	-	-	-	-
8	Influenza -	-	133	66	117	8	1	-	-	1	8	7	23	37	47	35	16	-
14 (1)	Cerebro-spinal Fever -	-	6	5	1	1	-	2	1	1	-	1	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	-	16	3	13	2	3	-	-	-	1	2	3	2	1	1	1	-
10	Tuberculosis of Respiratory System -	-	173	94	79	-	1	3	4	42	40	29	25	18	10	1	-	-
11	Other Tuberculous Diseases -	-	42	20	22	4	7	3	3	7	5	4	4	1	3	1	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	-	15	9	6	1	-	-	-	-	4	1	3	3	2	1	-	-
15	Cancer, Malignant Disease -	-	352	159	193	-	-	-	-	1	6	25	55	111	97	54	3	-
18	Diabetes Mellitus -	-	46	18	28	-	-	-	-	3	2	2	5	11	17	6	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	-	72	31	41	7	-	-	3	2	5	5	16	13	11	10	-	-
22	Cerebral Hæmorrhage, &c. -	-	320	137	183	1	1	1	-	1	3	3	21	56	116	102	15	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	-	69	36	33	10	4	-	1	3	3	3	19	9	13	3	1	-
24	Heart Disease -	-	836	406	430	-	2	1	1	8	20	30	90	155	269	212	48	-
25	Other Circulatory Diseases -	-	67	48	19	-	-	-	-	-	-	2	1	8	25	25	6	-
26	Bronchitis -	-	370	201	169	17	8	-	1	-	8	10	34	66	99	96	31	-
27	Pneumonia (all forms) -	-	419	223	196	106	29	6	5	7	12	23	39	64	59	56	13	-
28	Other Respiratory Diseases -	-	70	37	33	6	2	-	1	-	4	8	9	9	16	13	2	-
32 (1)	Gastric and Duodenal Ulcer -	-	29	22	7	1	-	-	-	1	2	5	5	9	4	2	-	-
29	Diarrhoea, &c. (all ages) -	-	46	23	23	33	4	-	-	1	1	-	1	1	3	2	-	-
30	Appendicitis -	-	13	9	4	-	-	2	3	1	2	2	1	2	-	-	-	-
31 (1)	Cirrhosis of Liver -	-	11	9	2	-	-	-	-	-	-	-	5	6	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	-	19	7	12	-	-	1	-	-	-	2	1	4	5	6	-	-
32 (2)	Other Digestive Diseases -	-	53	26	27	7	2	1	1	-	5	5	9	7	10	5	1	-
33	Acute and Chronic Nephritis -	-	100	45	55	1	1	2	1	4	3	12	14	21	24	16	1	-
34	Other Dis. of Genito-Urinary System -	-	39	27	12	1	-	-	-	1	1	-	1	3	6	14	9	3
35	Puerperal Sepsis -	-	9	-	9	-	-	-	-	3	3	3	-	-	-	-	-	-
36	Other Puerperal Causes -	-	12	-	12	-	-	-	-	4	6	2	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	-	12	4	8	1	-	-	2	2	1	-	-	1	3	2	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	-	159	104	55	155	2	-	-	2	-	-	-	-	-	-	-	-
39	Old Age -	-	130	44	86	-	-	-	-	-	-	-	-	1	19	72	38	-
40	Suicide -	-	27	18	9	-	-	-	-	-	2	5	5	1	8	6	-	-
42	Other Violence (41) -	-	114	72	42	3	4	7	3	6	6	8	12	16	23	20	6	-
43	Causes ill-defined or Unknown -	-	55	36	19	2	-	-	1	-	1	3	10	9	17	9	3	-
ALL CAUSES -		-	3979	1980	1999	396	117	45	32	105	156	205	404	653	919	759	188	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles ...	...	...	...	...	...	...	...	...	...
5	Scarlet Fever ...	5	2	...	...	...	1	1	...	1
6	Whooping-cough ...	64	46	3	2	...	1	1	1	...
7	Diphtheria ...	26	15	5	1	3	...	1	...	...
8	Influenza ...	183	123	9	4	1	15	8	3	2
14 (1)	Cerebro-spinal Fever ...	6	4	...	1	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	16	7	4	1	1	1	...	...	...
10	Tuberculosis of Respiratory System ...	173	98	23	17	2	7	7	4	1
11	Other Tuberculous Diseases ...	42	17	8	2	3	1	1	2	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	15	8	1	...	4	...	...	...	...
15	Cancer, Malignant Disease ...	352	154	72	24	17	12	17	19	3
18	Diabetes Mellitus ...	46	20	9	1	...	3	3	4	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	72	33	14	4	4	2	2	2	2
22	Cerebral Hæmorrhage, &c. ...	320	128	75	22	20	13	12	6	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	69	26	9	5	4	3	3	2	1
24	Heart Disease ...	836	372	163	75	53	36	19	11	3
25	Other Circulatory Diseases ...	67	20	20	...	6	2	...	3	2
26	Bronchitis ...	370	220	46	19	8	13	10	12	5
27	Pneumonia (all forms) ...	419	254	60	20	8	18	9	12	7
28	Other Respiratory Diseases ...	70	29	14	2	6	1	1	5	4
32 (1)	Gastric and Duodenal Ulcer ...	29	12	6	1	2	2	1	1	...
29	Diarrhoea, &c. (all Ages) ...	46	27	2	2	1	6	1	2	...
30	Appendicitis ...	13	4	2	3	...	...	...	...	...
31 (1)	Cirrhosis of Liver ...	11	5	3	1	...	1	...	1	...
31 (2)	Other Diseases of Liver, &c. ...	10	8	3	2	...	1	...	2	...
32 (2)	Other Digestive Diseases ...	53	22	7	3	3	4	6	2	...
33	Acute and Chronic Nephritis ...	100	47	17	5	10	2	4	...	1
34	Oth. Diseases of Genito-Urinary System	39	19	7	1	5	1	...	1	2
35	Puerperal Sepsis ...	9	3	5	...	...	1	...	...	...
36	Other Puerperal Causes ...	12	5	5	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	12	7	1	1	...	...	2	...	...
38	Congenital Debility, Premature Birth, Malformations, &c. ...	159	68	20	10	12	7	4	6	8
39	Old Age ...	130	52	23	11	2	3	15	3	2
40	Suicide ...	27	6	6	3	2	2	...	1	1
42	Other Violence (41) ...	114	49	20	12	8	3	6	2	2
43	Causes Ill-defined or Unknown ...	55	34	1	...	2	1	4	1	...
	All Causes	3979	1944	663	255	187	164	138	108	58
	AGE AT DEATH.									
	Under 1 ...	396	196	41	18	16	22	14	14	8
	1-4 ...	117	80	14	5	2	3	2	3	...
	5-9 ...	45	23	10	1	3	1	1	...	2
	10-14 ...	32	19	...	2	1	1	...	1	1
	15-24 ...	105	57	11	9	2	3	7	5	2
	25-34 ...	156	84	20	11	13	5	3	2	...
	35-44 ...	205	108	29	8	9	10	7	7	4
	45-54 ...	404	201	55	21	17	21	15	11	8
	55-64 ...	653	340	114	42	30	23	19	14	8
	65-74 ...	919	431	155	68	48	37	38	28	13
	75-84 ...	759	329	179	54	35	29	21	19	8
	85 and over ...	188	76	35	16	9	9	11	4	4
	Not stated ...	...	...	...	...	...	...	...	...	...
	All Ages	3979	1944	663	255	187	164	138	108	58

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	2	6	1	...	...	1	...
7	Diphtheria ... ..	...	...	...	...	...	1	...	...
8	Influenza... ..	1	...	3	5	2	4	1	2
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	1	...	...	...	...	1
10	Tuberculosis of Respiratory System ...	2	1	...	3	4	4	...	...
11	Other Tuberculous Diseases ... ..	...	3	...	...	...	1	1	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	1	...	1	...	...	...	...	...
15	Cancer, Malignant Disease	7	5	2	3	4	3	5	5
18	Diabetes Mellitus	2	1	...	...	...	1	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	2	2	...	1	1	1	1	1
22	Cerebral Hæmorrhage, &c.	7	1	4	4	6	5	3	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	3	5	4	2	...	1	...	1
24	Heart Disease	10	14	15	14	12	15	11	13
25	Other Circulatory Diseases	2	3	...	2	4	1	1	1
26	Bronchitis	4	5	4	5	6	7	2	4
27	Pneumonia (all forms)	2	9	6	4	1	5	1	3
28	Other Respiratory Diseases ... ..	...	1	...	...	1	1	2	3
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	1	...	1	1	...	1
29	Diarrhœa, &c. (all Ages) ... ..	...	1	1	...	...	2	1	...
30	Appendicitis	1	1	...	1	...	...	1	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	1	1	...	...	...	...	...
32 (2)	Other Digestive Diseases	2	...	1	1	1	1	...	...
33	Acute and Chronic Nephritis	3	...	2	2	1	1	4	1
34	Oth. Diseases of Genito-Urinary System	1	1	...	...	...	...	1	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	1	4	2	5	1	4	2	5
39	Old Age	3	4	2	...	...	5	...	5
40	Suicide	1	...	...	1	1	1	1	1
42	Other Violence (41)	2	1	4	1	3	1	...	...
43	Causes Ill-defined or Unknown	1	5	...	4	2	...	...	...
	All Causes	59	70	61	59	51	66	39	57
	AGE AT DEATH.								
	Under 1	4	15	12	8	1	11	5	9
	1-4	2	3	2	...	...	1	...	...
	5-9	1	...	1	1	...	1	...	...
	10-14	1	1	...	1	2	1	...	1
	15-24	2	...	1	1	1	1	3	...
	25-34	3	3	3	3	2	1	...	3
	35-44	2	1	4	2	2	5	5	2
	45-54	6	9	7	13	4	8	2	6
	55-64	9	9	8	6	6	12	7	6
	65-74	15	18	9	11	20	8	10	10
	75-84	10	10	13	11	9	13	5	14
	85 and over	4	1	1	2	4	4	2	6
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	59	70	61	59	51	66	39	57

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of January 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.						HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.						
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Hours per Day.						
						° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	inch.	inch.	Daily Mean.	Difference from Average.	Per Cent. of Possible.		
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1002.1	29.593	41.4	33.0	37.2	-2.3	50	7, 16	4 1/4	17	36.9	1.1	6.8	89	20	4.49	+1.14	1.47	+0.36	19
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1092.5	29.603	40.8	34.3	37.5	-1.6	52	7, 8	4, 6	24	36.9	1.1	6.6	89	21	3.25	+1.49	1.21	-0.43	16
DUNDEE, The Director of Studies, Training College.	147	1001.2	29.563	40.7	31.1	35.9	-2.4	48	15 1/2	4 1/2	19	36.5	1.4	6.3	86	20	4.00	+2.07	1.60	-0.12	21
ABERDEEN, The Meteorological Office.	79	1001.9	29.586	41.1	34.5	37.8	-1.2	48	15 1/2	6 1/2	21	37.7	1.5	6.6	85	25	3.73	+1.55	1.35	-0.15	18
PAISLEY, John Woodrow, The Coats Observatory.	106	1002.3	29.598	42.1	34.3	38.2	-1.5	50	7 1/2	4 1/2	20	37.3	1.1	6.7	90	17	4.94	+0.95	1.02	-0.01	13
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1002.5	29.603	42.0	34.2	38.1	-1.7	50	7 1/2	6 1/2	23	37.3	1.5	6.5	86	16	4.96	-1.50	0.88	..	12
KIRKCALDY, The Medical Office of Health.	137	..	..	41.7	31.8	38.7	-3.0	50	7 1/2	6 1/2	19	36.2	0.8	6.7	92	17	3.52	..	1.53	..	20
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	42.7	30.8	36.7	-2.6	53	7 1/2	5, 6	16	35.3	0.7	6.3	93	17	3.64	+0.23	1.75	+0.70	23
AYR, The Medical Office of Health.	43	..	..	42.8	32.9	37.9	..	54	7 1/2	5 1/2	20	38.0	0.8	7.2	92	14	2.15	..	1.82	..	24
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	40.9	32.1	36.5	..	49	7, 15	6 1/2	15	35.9	1.0	6.4	90	18	4.04	..	1.15	..	15
PERTH, J. RITCHIE, The Museum.	76	1002.5	29.603	41.0	29.9	35.5	-2.4	49	15 1/2	6 1/2	13	34.8	1.1	6.0	88	18	3.33	+0.82	1.19	-0.17	16
Means	147	1002.1	29.593	41.6	32.6	37.1	-2.1	..	..	..	..	36.6	1.1	6.6	89	18	3.82	+0.84	1.36	+0.03	18
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 56'.																					

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.
† Data from January, 1936, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

MONTHLY RETURN OF THE REGISTRAR-GENERAL Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

February, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of February 1939 the births (corrected for transfer to place of usual residence) of 3,436 living children, of whom 1,792 were males and 1,644 were females. Compared with the number in the previous month the total births were 491 fewer, male births being 263 fewer and female births 228 fewer. The monthly birth-rate (living children only) in these towns taken collectively was 17·4 per thousand. It is the lowest rate recorded in these reports for the month of February. This rate is 0·6 less than that for the previous month and is 1·3 below the five years' average. The births of 159 still-born children were registered in these towns during the month, and correspond to a rate of 44 per thousand total births registered (including still-born).

In the individual towns the monthly birth-rate ranged from 22·8 in Coatbridge, 21·8 in Hamilton and 21·1 in Greenock, to 13·2 in Edinburgh, 12·9 in Dunfermline and 12·7 in Ayr. In Motherwell and Wishaw the rate was 19·4, in Paisley 19·3, in Glasgow 19·0, in Falkirk 18·7, in Aberdeen 18·3, in Kilmarnock 17·4, in Perth 16·1, in Clydebank 16·0, in Kirkcaldy 15·4 and in Dundee 14·2.

Of the 3,436 living children whose births were registered during the month, 3,244 or 94·4 per cent. were legitimate, while 192 or 5·6 per cent., were illegitimate. The legitimate children numbered 464 fewer than in the previous month and the illegitimate children 27 fewer. The illegitimate percentage for the month is the same as that for the previous month. In the individual towns it ranged from 8·1 in Dunfermline, 6·7 in Glasgow and 6·0 in Edinburgh, to 2·2 in Perth, 1·5 in Hamilton and 0 in Coatbridge and in Kilmarnock.

Marriages.—Marriages registered during the month numbered 1,320 and are 894 fewer than in the previous month. The marriage-rate, 6·7 per thousand, is 3·4 below that for the previous month but 0·5 above the average. It is the highest rate recorded for the month of February since 1923, when it was 7·1. In the individual towns it ranged from 8·6 in Hamilton, 8·0 in Kirkcaldy and 7·8 in Aberdeen, to 4·3 in Clydebank and in Coatbridge and 4·2 in Greenock.

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.*

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EDINBURGH

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In Glasgow the rate was 7.3 and in Edinburgh 6.6. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 3,052, of which 1,498 were of males and 1,554 were of females. This number is 927 fewer than in the previous month, males being 482 fewer and females 445 fewer.

The monthly death-rate in these towns taken collectively was 15.4 per thousand, being 2.8 below that for the previous month and 0.3 below the average. In the towns taken individually the death-rate ranged from 17.7 in Kirkealdy, 17.2 in Perth and 16.5 in Edinburgh and in Kilmarnock, to 13.5 in Hamilton, 12.7 in Paisley and 9.5 in Falkirk. In Aberdeen and in Dunfermline the rate was 16.4, in Glasgow and in Clydebank 15.5, in Coatbridge 15.3, in Motherwell and Wishaw 15.2, in Greenock 14.7, in Dundee 13.7 and in Ayr 13.6.

Deaths of children aged less than one year numbered 353 and equalled an infantile mortality rate of 98 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 43 fewer than in the previous month, while the rate is 1 less than in that month and 8 below the average. In the individual towns this rate ranged from 143 in Ayr, 140 in Motherwell and Wishaw and 133 in Coatbridge and in Kilmarnock, to 58 in Falkirk, 57 in Kirkealdy and 23 in Perth. In Greenock the rate was 125, in Hamilton and in Dunfermline 119, in Glasgow 106, in Paisley 99, in Aberdeen and in Clydebank 90, in Edinburgh 75 and in Dundee 69.

Causes of Death.—Deaths from the principal epidemic diseases numbered 240 and equalled a death-rate of 1.2 per thousand. These deaths are 60 fewer than in the previous month and the rate is 0.2 less. They include none from typhoid fever, none from measles, 3 from scarlet fever, 50 from whooping-cough, 23 from diphtheria, 147 from influenza, 8 from cerebro-spinal fever, and 9 from other epidemic diseases, 6 of which were ascribed to erysipelas, 2 to lethargic encephalitis and 1 to dysentery. Compared with the number in the previous month deaths from scarlet fever are 2 fewer, from whooping-cough 14 fewer, from diphtheria 3 fewer, from influenza 36 fewer, from cerebro-spinal fever 2 more and from other epidemic diseases 7 fewer.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 443 and equalled a death-rate of 2.2 per thousand. Compared with the number in the previous month these deaths are 416 fewer, while the rate is 1.7 less and is 0.6 below the average.

Deaths from all forms of tuberculosis numbered 192, of which 152 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 23 fewer and those from respiratory tuberculosis 21 fewer. Compared with the average the former are 9 fewer and the latter 6 fewer.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1939.

Mean barometric pressure, 29.820 inches; less than the average* by 0.052 in.

Mean temperature, 42.3° F.; greater by 3.0° F.

Mean daily range of temperature, 9.4° F.; less by 0.1° F.

Mean daily sunshine, 1.79 hour; less by 0.27 hour.

Rain, depth in inches, 3.90; greater by 1.39 inch.

Wind, direction of: an 8 days' excess of south or south-west winds.

Unsettled and rather mild weather with frequent, and sometimes heavy, precipitation was experienced over Scotland generally throughout the month. An intense depression west of Ireland moved north-eastwards on the 6th and southerly gales occurred in many districts. In Edinburgh the wind attained a

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

mean speed of 51 miles per hour between 11 p.m. and midnight on the 6th with gusts up to 81 miles per hour. In the succeeding week pressure was high to the south and low to the north of the British Isles and dull rainy weather prevailed in all parts of Scotland. Conditions were unusually severe on the 15th and 16th, especially in northern districts which came under the influence of depressions moving east in the latitude of Iceland. Wind gusts up to 80 miles per hour were registered at Stornoway, 75 miles per hour at Kirkwall and 70 miles per hour at Tiree. A belt of high pressure extending from the Azores across England to north-west Russia brought fairer weather on the 19th and 20th. Subsequently troughs of low pressure, associated with Atlantic depressions, caused a renewal of overcast skies with rain in all districts. The extremes of pressure in Edinburgh were 30.41 inches on the 13th and 28.90 inches on the 23rd.

Mean temperatures were appreciably above normal everywhere. The excess over the normal varied from rather more than 2° F. in the south-west to about 4° F. in the north-east. The warmest day was the 10th, when a shade temperature of 62° F. was registered at Aberdeen, this being 5 degrees above the highest previously recorded there in early February. Other high maxima were 61° F. at Craibstone and 60° F. at Crieff, Gordon Castle, Forbes and Lossiemouth, all on the 10th. The coldest spell was at the beginning of the month and the extreme minima reported on the 2nd were 9° F. at Braemar, 14° F. at West Linton and 15° F. at Dalwhinnie, Forbes and Balmoral. Ground frosts were registered on 20 days. They occurred in all districts on the first three and the last three days of the month. The lowest ground temperatures reported were 8° F. at Braemar, 9° F. at Dalwhinnie, 11° F. at Balmoral and West Linton, all on the 2nd.

Sunshine was deficient over the greater part of the country, but aggregates slightly in excess of the normal were reported from stations in Shetland and Banffshire. The highest aggregates were 81 hours at Forbes, 78 hours at Gordon Castle, 76 hours at Craibstone and 75 hours at Lossiemouth. The lack of bright sunshine was most marked in the west. Fort Augustus had only 19 hours, or 30 hours less than the normal, and Fort William had only 20 hours.

The 1st and 2nd were dry days over most of Scotland but were followed by a remarkable succession of rain days. Some stations in the north and west had rain on every day from the 3rd to 28th inclusive. Totals for the month were slightly below normal in the Moray Firth area and in the south-eastern counties but elsewhere exceeded the normal. The greatest excess occurred in western districts, where some stations registered double the normal amount. Daily falls exceeding one inch were numerous and occurred in all districts. At Kinlochquoich there were no less than 10 such occasions, including three in succession, the 9th, 10th and 11th, when the measurements were 2.85, 5.05 and 1.95 inches respectively. Other outstanding daily falls were 2.29 inches at Lochwinnoch (Renfrewshire) on the 6th, 2.14 inches at Ardgour on the 9th, 2.34 inches at Fort William on the 10th, 2.37 inches at North Ballachulish and 2.23 inches at Kingairloch on the 20th, and 2.37 inches at Balnaboth (Glen Prosen) and 2.15 inches at Glenbranter on the 21st.

Hail was reported at many widely separated stations in the west on the 16th and 22nd and locally on 13 other days.

Snow lay on the hills throughout the month. On lower ground the falls though frequent were not heavy. It was reported at one place or other on 16 days.

There was very little fog but it occurred locally on 9 days.

Gales were reported on every day except the 1st, 2nd, 17th and 28th. They were most frequent, and at times severe, in the north and west. Lerwick experienced winds of gale force on 18 days.

Thunderstorms occurred on 6 days. They were widespread on the 26th.

Aurora was seen on 14 nights, but conditions in Scotland were mostly unfavourable for observation. A fine display on the 6th was seen as far south as Peterborough and South Petherton (Somerset). On the 24th some beautiful effects were observed at many places in England and Wales.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 16.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, February 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
										Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . . .	1,093,337	1,131,600	1651	861	790	1540	111	69	633	1500	774	726	181	30	1349
EDINBURGH, . .	489,010	473,200	481	255	226	452	29	30	241	699	352	347	113	14	600
DUNDEE, . . .	175,681	178,200	194	106	88	184	10	13	78	196	79	117	12	3	187
ABERDEEN, . .	169,803	179,400	252	127	125	238	14	11	108	250	117	133	29	5	226
PAISLEY, . . .	86,445	91,700	136	67	69	131	5	4	39	101	46	55	19	7	89
GREENOCK, . .	79,012	81,600	132	64	68	127	5	9	26	90	47	43	2	4	92
MOTHERWELL AND WISHAW, .	65,611	67,900	101	53	48	98	3	3	27	67	36	31	..	12	79
CLYDEBANK, . .	46,991	48,000	59	33	26	57	2	4	16	38	18	20	1	20	57
KIRKCALDY, . .	43,874	45,600	54	33	21	51	3	1	28	61	28	33	5	6	62
COATBRIDGE, .	43,312	45,300	79	41	38	79	..	2	15	42	13	24	1	12	53
KILMARNOCK, .	38,681	40,300	54	31	23	54	..	..	17	51	24	27	5	5	51
HAMILTON, . .	38,112	39,500	66	30	36	65	1	4	26	34	15	19	2	9	41
AYR,	38,905	41,100	40	18	22	38	2	2	18	65	36	29	26	4	43
FALKIRK, . . .	36,566	38,400	55	30	25	52	3	3	17	39	23	16	14	3	28
DUNFERMLINE, .	35,058	37,300	37	17	20	34	3	3	18	55	26	29	10	2	47
PERTH,	35,051	36,490	45	26	19	44	1	1	13	65	33	32	18	1	48
TOTAL (SIXTEEN TOWNS)	2,465,449	2,575,500	3436	1792	1644	3244	192	159	1320	3353	1672	1681	438	187	3052

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, February 1939.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	19.0	6.7	7.3	17.3	15.5	1.2	1.1	0.9	2.4	178	106	
EDINBURGH, .	13.2	6.0	6.6	19.3	16.5	1.7	1.1	0.9	2.2	43	75	
DUNDEE, . .	14.2	5.2	5.7	14.3	13.7	0.9	0.5	0.4	1.8	16	69	
ABERDEEN, .	18.3	5.6	7.8	18.2	16.4	1.1	0.5	0.4	2.3	21	90	
PAISLEY, . .	19.3	3.7	5.5	14.4	12.7	0.3	1.4	1.1	1.6	13	99	
GREENOCK, .	21.1	3.3	4.2	14.4	14.7	1.4	1.3	1.8	2.1	16	125	
MOTHERWELL AND WISHAW,	19.4	3.0	5.2	12.9	15.2	0.6	1.0	0.6	3.5	14	149	
CLYDEBANK,	16.0	3.4	4.3	10.3	15.5	0.8	1.6	1.4	2.4	6	90	
KIRKCALDY, .	15.4	5.6	8.0	17.4	17.7	1.7	0.6	0.3	3.1	3	57	
COATBRIDGE, .	22.8	..	4.3	12.1	15.3	0.9	0.6	0.6	0.9	11	133	
KILMARNOCK,	17.4	..	5.5	16.5	16.5	2.3	0.3	0.3	2.3	8	133	
HAMILTON, .	21.8	1.5	8.6	11.2	13.5	0.7	..	..	1.0	8	119
AYR,	12.7	5.0	5.7	20.6	13.6	1.0	1.3	1.3	1.6	7	143	
FALKIRK, . .	18.7	5.5	5.8	13.2	9.5	1.0	0.7	0.3	2.0	3	58	
DUNFERMLINE,	12.9	8.1	6.3	19.2	16.4	0.7	0.7	0.3	2.1	5	119	
PERTH, . . .	16.1	2.2	4.7	23.3	17.2	1.8	..	..	1.8	1	23
TOTAL . (SIXTEEN TOWNS)	17.4	5.6	6.7	17.0	15.4	1.2	1.0	0.8	2.2	353	98	

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for February 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
FEB. 1939, .	17.4	5.6	6.7	15.4	0	0	3	50	23	147	8	9	98	42° 3
FEB. 1938, .	18.9	6.1	6.3	13.5	0	73	2	4	26	15	5	17	81	40° 9
FEB. 1937, .	18.5	5.4	5.9	17.4	0	2	3	76	22	270	14	15	102	39° 0
FEB. 1936, .	18.8	5.4	6.4	16.6	2	17	8	11	12	87	6	26	116	36° 4
FEB. 1935, .	18.3	6.1	6.3	16.6	1	7	11	63	21	110	6	15	108	40° 7
FEB. 1934, .	19.1	6.8	6.3	14.5	0	7	18	18	26	22	16	17	121	42° 9
FEB. 1933, .	18.4	5.7	5.9	17.6	0	2	10	73	16	187	21	19	111	39° 4
FEB. 1932, .	20.2	5.9	6.5	17.7	3	111	21	29	27	102	20	17	142	40° 4
FEB. 1931, .	20.8	6.9	5.9	17.6	1	4	7	110	22	101	23	12	124	38° 1
FEB. 1930, .	21.0	7.1	5.6	17.3	1	78	10	33	32	42	10	21	122	35° 1
FEB. 1929, .	20.7	6.8	5.6	24.4	1	2	6	66	30	600	30	30	144	34° 2

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever	-	3	3	-	-	2	1	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough	50	20	30	29	19	2	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria	23	9	14	-	14	8	-	-	-	-	-	1	-	-	-	-	-
8	Influenza	147	50	97	5	1	3	1	2	9	14	14	23	31	28	11	-	-
14 (1)	Cerebro-spinal Fever	3	4	4	6	-	1	-	1	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	9	6	3	1	1	-	-	-	1	-	-	1	3	1	1	-	-
10	Tuberculosis of Respiratory System	152	93	59	1	1	-	1	34	39	31	19	20	5	1	-	-	-
11	Other Tuberculous Diseases	40	21	19	4	7	3	1	13	1	4	1	5	1	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	14	10	4	4	1	-	-	2	1	1	1	2	2	-	-	-	-
15	Cancer, Malignant Disease	322	143	179	-	-	-	1	3	4	19	56	89	100	45	5	-	-
18	Diabetes Mellitus	35	6	29	-	-	-	1	-	1	1	4	8	16	4	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	50	14	36	1	1	1	3	2	4	3	8	9	14	4	-	-	-
22	Cerebral Haemorrhage, &c.	280	137	143	1	1	-	1	5	5	10	48	114	81	14	14	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	81	46	35	20	2	2	2	10	8	5	6	12	7	6	1	-	-
24	Heart Disease	658	310	348	-	-	1	1	8	14	18	71	101	219	181	44	-	-
25	Other Circulatory Diseases	56	24	32	-	-	-	1	-	-	2	6	9	16	17	5	-	-
26	Bronchitis	204	101	103	11	1	-	-	1	6	25	26	50	64	20	-	-	-
27	Pneumonia (all forms)	191	99	92	59	9	5	1	5	7	10	18	16	30	23	8	-	-
28	Other Respiratory Diseases	48	26	22	4	1	-	-	3	6	5	7	7	12	3	-	-	-
32 (1)	Gastric and Duodenal Ulcer	29	24	5	-	-	-	1	3	3	7	7	7	1	-	-	-	-
29	Diarrhoea, &c. (all ages)	30	21	9	24	3	-	-	1	2	-	-	-	-	-	-	-	-
30	Appendicitis	19	11	8	-	2	1	3	4	4	-	2	1	2	-	-	-	-
31 (1)	Cirrhosis of Liver	6	5	1	-	-	-	-	-	1	-	1	2	1	1	-	-	-
31 (2)	Other Diseases of Liver, &c.	12	3	9	-	-	-	-	-	-	-	1	4	4	2	1	-	-
32 (2)	Other Digestive Diseases	44	21	23	10	1	-	-	-	-	2	8	7	5	9	2	-	-
33	Acute and Chronic Nephritis	57	28	29	-	-	-	1	2	-	4	10	13	15	8	4	-	-
34	Other Dis. of Genito-Urinary System	41	30	11	-	1	-	-	-	-	2	5	12	11	8	2	-	-
35	Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Other Puerperal Causes	15	-	15	-	-	-	-	2	8	5	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System	9	4	5	4	-	-	-	-	1	-	1	2	-	1	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c.	159	92	67	157	2	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age	115	43	72	-	-	-	-	-	-	-	-	-	-	18	60	37	-
40	Suicide	21	11	10	-	-	-	-	2	5	1	5	3	4	1	-	-	-
42	Other Violence (41)	96	65	31	12	6	3	2	12	7	8	6	10	11	15	4	-	-
43	Causes ill-defined or Unknown	28	21	7	-	-	-	-	-	1	1	13	7	2	2	2	-	-
	ALL CAUSES	3052	1498	1554	353	73	33	21	104	130	151	304	449	695	575	164	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	3	...	...	...	...	1	1	...	1
6	Whooping-cough	50	34	6	...	...	1	3	2	2
7	Diphtheria	23	19	3	1	...	...	...	...	...
8	Influenza	147	42	48	10	15	...	4	1	...
14 (1)	Cerebro-spinal Fever	8	4	...	1	...	...	1	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	9	6	3	...	...	...	...	...	...
10	Tuberculosis of Respiratory System	152	76	32	5	5	8	8	3	5
11	Other Tuberculous Diseases	40	20	8	2	2	2	...	2	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	14	7	3	1	2	...	1	...	...
15	Cancer, Malignant Disease	322	128	64	27	36	4	10	5	5
18	Diabetes Mellitus	35	18	6	2	1	...	2	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	50	23	10	4	2	1	...	...	1
22	Cerebral Hæmorrhage, &c.	280	117	58	12	21	9	4	7	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	81	37	13	3	4	4	4	5	2
24	Heart Disease	658	271	150	46	45	28	14	17	12
25	Other Circulatory Diseases	56	13	14	6	11	3	...	1	2
26	Bronchitis	204	94	37	12	16	6	3	6	4
27	Pneumonia (all forms)	191	103	30	9	11	2	9	9	5
28	Other Respiratory Diseases	48	12	13	4	5	3	1	3	...
32 (1)	Gastric and Duodenal Ulcer	29	12	4	3	4	...	2	1	1
29	Diarrhœa, &c. (all Ages)	30	18	3	...	2	2	1	...	...
30	Appendicitis	19	9	2	1	1	...	2	1	...
31 (1)	Cirrhosis of Liver	6	2	2	1	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	12	6	2	...	2	...	...	...	...
32 (2)	Other Digestive Diseases	44	19	6	1	4	1	3	1	1
33	Acute and Chronic Nephritis	57	22	9	4	5	1	3	1	...
34	Oth. Diseases of Genito-Urinary System	41	17	12	1	4	1	5	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	15	7	6	...	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	9	5	1	1	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	159	74	21	8	10	10	4	4	3
39	Old Age	115	52	11	13	8	1	5	7	2
40	Suicide	21	7	8	1	3	1	...	...	...
42	Other Violence (41)	96	52	14	8	7	...	...	1	4
43	Causes Ill-defined or Unknown	28	23	1	...	...	...	1	1	...
	All Causes	3052	1349	600	187	226	89	92	79	57
	AGE AT DEATH.									
	Under 1	353	178	43	16	21	13	16	14	6
	1- 4	73	47	12	4	1	2	2	1	1
	5- 9	33	19	4	...	2	1	4	1	...
	10-14	21	8	5	1	1	1	1	...	1
	15-24	104	61	19	1	3	3	2	3	3
	25-34	130	70	19	7	8	4	3	1	1
	35-44	151	72	34	9	11	3	3	5	2
	45-54	304	142	52	19	19	5	9	9	9
	55-64	449	175	113	23	40	10	11	14	10
	65-74	695	307	147	43	45	24	25	10	11
	75-84	575	214	119	55	46	19	12	19	11
	85 and over	164	56	33	9	29	4	4	2	2
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	3052	1349	600	187	226	89	92	79	57

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	1	...	...	1	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	...	...	...
8	Influenza	6	2	5	2	2	3	2	5
14 (1)	Cerebro-spinal Fever ... ..	...	...	2	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	2	1	...	4	1	1	...
11	Other Tuberculous Diseases	1	...	...	...	...	1	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	7	5	3	5	10	2	3	8
18	Diabetes Mellitus ... ..	...	1	1	1	1	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	5	1	...	2	...	...	1
22	Cerebral Hæmorrhage, &c.	10	5	6	8	3	2	8	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	2	...	3	...	1	1	...
24	Heart Disease	12	8	11	4	8	4	13	15
25	Other Circulatory Diseases	1	...	1	2	2	...	...	...
26	Bronchitis	8	2	2	2	3	2	4	3
27	Pneumonia (all forms)	3	1	3	1	2	2	...	1
28	Other Respiratory Diseases ... ..	...	...	2	...	...	2	2	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	1	...	...	1	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	3	...	1	...	...
30	Appendicitis ... ..	...	2	...	1	...	...	...	...
31 (1)	Cirrhosis of Liver	1	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	1	...	...	...	...	1
32 (2)	Other Digestive Diseases ... ..	...	2	...	2	1	1	1	1
33	Acute and Chronic Nephritis	1	2	2	2	...	...	5	...
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	...	...	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	1	...	...	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	7	4	3	3	1	4	1
39	Old Age	4	2	...	...	...	3	1	6
40	Suicide	1	...	...	...	...	...	...	...
42	Other Violence (41)	2	2	4	1	...	1	...	...
43	Causes Ill-defined or Unknown ... ..	...	...	...	1	...	...	1	...
	All Causes	62	53	51	41	43	28	47	48
	AGE AT DEATH.								
	Under 1	3	11	8	8	7	3	5	1
	1-4 ... ..	...	1	1	1	...	...	...	...
	5-9 ... ..	...	...	1	1	...	...	...	...
	10-14 ... ..	...	2	...	1	...	...	...	...
	15-24 ... ..	...	3	2	1	1	1	1	...
	25-34	4	5	1	2	2	1	1	1
	35-44	3	2	3	...	1	1	2	...
	45-54	7	4	6	4	6	3	5	5
	55-64	8	10	7	6	5	4	5	8
	65-74	15	8	10	11	10	6	13	10
	75-84	16	5	10	5	9	8	12	15
	85 and over	6	2	2	1	2	1	3	8
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	62	53	51	41	43	28	47	48

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of February 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.							
			Mean of	Absolute Maximum and Minimum.		Mean of	Humidity.	Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.									
				Maximum.	Day of Month.							Depression of Wet Bulb.	Vapour Pressure.							
														Minimum (B.)	Day of Month.	Dry Bulb.				
	feet.	Mb.	° F.	° F.	° F.	° F.	° F.	inch.	inch.	inch.	Daily Mean.	Difference from Average.								
GLASGOW, Aboltsinch Aerodrome (The Meteorological Office).	19	1010.3	29.836	46.7	38.9	42.8	+3.5	56	10th	24	3rd	42.4	1.6	8.2	87	5.80	+2.37	1.48	-0.28	16
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1010.3	29.836	46.3	37.4	41.9	+2.8	56	10, 11	23	2nd	41.1	2.0	7.2	83	1.46	-0.20	2.43	-0.22	26
DUNDEE, The Director of Studies, Training College.	147	1009.2	29.803	46.6	35.5	41.1	+2.5	56	10th	29	2, 20, 28	41.8	1.9	7.5	83	2.05	+0.20	2.43	-0.19	26
ABERDEEN, The Meteorological Office.	79	1007.7	29.759	46.8	33.7	42.7	+3.4	60	10th	29	3rd	42.3	2.4	7.3	80	2.60	+0.55	2.32	-0.14	25
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1010.3	29.836	46.8	38.9	42.9	+2.9	55	10th	26	3rd	42.5	1.4	8.1	88	5.63	+2.12	1.36	-0.53	14
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1010.7	29.846	46.8	38.9	42.9	+3.4	56	10th	30	2, 3	42.0	1.6	7.8	86	8.79	+3.48	1.28	..	14
KIRKCALDY, The Medical Officer of Health.	137	..	..	46.8	37.1	41.9	+2.0	56	10th	24	3rd	41.3	1.2	7.9	90	2.45	..	1.86	..	20
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	47.5	36.7	42.1	+2.3	54	6, 7, 10	20	3rd	41.4	1.0	8.1	91	5.03	+2.16	1.63	-0.28	17
AYR, The Medical Officer of Health.	43	..	..	47.9	37.7	42.8	..	56	10th	23	3rd	43.0	0.8	8.8	93	3.47	..	1.42	..	15
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	46.3	37.2	41.7	..	54	6, 10, 11	27	3rd	41.5	1.4	7.9	88	3.11	..	1.36	..	14
PERTH, J. RUTHERFORD, The Museum.	76	1009.9	29.823	48.0	37.0	42.5	+4.0	57	10th	24	3rd	41.5	1.3	7.5	84	2.75	+0.48	2.07	-0.22	22
Means	147	1009.8	29.820	47.0	37.6	42.3	+3.0	..	..	..	..	41.9	1.6	7.8	87	3.90	+1.39	1.79	-0.27	19
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 3° 26'; Greenock, 4° 46'; Perth, 3° 27'. Mean, 5° 36'.																				

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9th. and 21th., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9th. only, and at Glasgow (Abbotsinch) and Aberdeen at 7th. and 18th.

† As from January, 1936, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches).

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/3. 500. 3/39. J.S. & Co. LTD. Group 157 (1933).

S. O. Code No. 49-9999.

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

March, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of March 1939 the births (corrected for transfer to place of usual residence) of 4,047 living children, of whom 2,116 were males and 1,931 were females. Compared with the number in the previous month the total births were 611 more, male births being 324 more and female births 287 more. The monthly birth-rate (living children only) in these towns taken collectively was 18·5 per thousand. This rate is 1·1 more than that for the previous month but is 0·6 below the five years' average. The births of 180 still-born children were registered in these towns during the month, and correspond to a rate of 43 per thousand total births registered (including still-born).

In the individual towns the monthly birth-rate ranged from 26·3 in Hamilton, 22·1 in Coatbridge and 20·3 in Glasgow, to 15·8 in Edinburgh, 14·6 in Dundee and 12·6 in Dunfermline. In Motherwell and Wishaw the rate was 19·8, in Greenock 19·3, in Paisley 19·0, in Falkirk and in Perth 18·4, in Ayr 17·8, in Clydebank 17·2, in Aberdeen 17·1, in Kirkcaldy 17·0 and in Kilmarnock 16·6.

Of the 4,047 living children whose births were registered during the month, 3,836 or 94·8 per cent. were legitimate, while 211 or 5·2 per cent. were illegitimate. The legitimate children numbered 592 more than in the previous month and the illegitimate children 19 more. The illegitimate percentage for the month is 0·4 below that for the previous month. In the individual towns it ranged from 7·5 in Dunfermline, 7·0 in Motherwell and Wishaw and 6·8 in Hamilton, to 3·3 in Falkirk, 3·0 in Kirkcaldy and 1·6 in Ayr. In Glasgow the rate was 5·2 and in Edinburgh 5·5.

Marriages.—Marriages registered during the month numbered 1,126 and are 194 fewer than in the previous month. The marriage-rate, 5·1 per thousand, is 1·6 below that for the previous month and 1·0 below the average. In the individual towns it ranged from 6·2 in Kirkcaldy, 5·9 in Edinburgh and 5·8 in Kilmarnock and in Perth, to 2·9 in Motherwell and Wishaw, 2·6 in Coatbridge and 2·2 in Clydebank. In Glasgow the rate was 5·4. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.*

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Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,893, of which 1,485 were of males and 1,408 were of females. This number is 159 fewer than in the previous month, males being 13 fewer and females 146 fewer.

The monthly death-rate in these towns taken collectively was 13·2 per thousand, being 2·2 below that for the previous month and 2·2 below the average. It is the lowest death-rate recorded for March in these returns. The previous lowest was 13·8 in March 1933. In the towns taken individually the death-rate ranged from 15·5 in Kirkcaldy, 15·1 in Coatbridge and 14·9 in Kilmarnock, to 11·6 in Paisley, 10·3 in Ayr and 9·8 in Clydebank. In Dunfermline the rate was 14·5, in Falkirk 14·4, in Greenock 14·3, in Hamilton 14·0, in Glasgow 13·4, in Edinburgh 13·3, in Motherwell and Wishaw 13·0, in Perth 12·9, in Dundee 12·8 and in Aberdeen 12·5.

Deaths of children aged less than one year numbered 300 and equalled an infantile mortality rate of 76 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. This is the lowest infantile mortality rate ever recorded for March in this series of returns. The previous lowest occurred in March of last year, when it was 88. These deaths are 53 fewer than in the previous month, while the rate is 22 less than in that month and 30 below the average. In the individual towns this rate ranged from 160 in Hamilton, 89 in Dunfermline and 88 in Coatbridge, to 51 in Kirkcaldy, 47 in Aberdeen and 41 in Clydebank. In Paisley the rate was 83, in Glasgow 82, in Edinburgh 76, in Motherwell and Wishaw 73, in Greenock 71, in Falkirk 70, in Kilmarnock 62, in Perth 60, in Dundee 56 and in Ayr 55.

Causes of Death.—Deaths from the principal epidemic diseases numbered 124 and equalled a death-rate of 0·6 per thousand. These deaths are 116 fewer than in the previous month and the rate is 0·6 less. They include 1 from typhoid fever, none from measles, 1 from scarlet fever, 45 from whooping-cough, 28 from diphtheria, 36 from influenza, 3 from cerebro-spinal fever, and 10 from other epidemic diseases, 3 of which were ascribed to dysentery, 3 to erysipelas and 4 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from scarlet fever 2 fewer, from whooping-cough 5 fewer, from diphtheria 5 more, from influenza 111 fewer, from cerebro-spinal fever 5 fewer and from other epidemic diseases 1 more.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 308 and equalled a death-rate of 1·4 per thousand. It is the lowest death-rate from respiratory diseases on record for March in this series of returns. The previous lowest was 2·0 in March 1938. Compared with the number in the previous month these deaths are 135 fewer, while the rate is 0·8 less and is 1·3 below the average.

Deaths from all forms of tuberculosis numbered 229, of which 193 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 37 more and those from respiratory tuberculosis 41 more. Compared with the average the former are 18 more and the latter 31 more.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

MARCH 1939.

Mean barometric pressure, 29·971 ins.; greater than the average* by 0·141 in.

Mean temperature, 42·5° F.; greater by 1·6° F.

Mean daily range of temperature, 11·9° F.; greater by 0·6° F.

Mean daily sunshine, 3·67 hours; greater by 0·31 hour.

Rain, depth in inches, 2·76; greater by 0·04 inch.

Wind, direction of: a two days' excess of north or north-east winds.

Rather unsettled and mild weather prevailed during the first few days of the month and frequent rain or drizzle alternated with some bright sunny periods.

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

On the 7th an anticyclone became centred to the south-west of Ireland and remained in that position almost continuously until the 20th. During that period a series of secondary depressions moved south-eastwards across Scotland to the North Sea, and associated short bursts of polar air caused noticeable temperature variations in eastern districts. A deep depression south-west of Iceland which moved east-south-east to Scandinavia on the 20th caused severe gales in the extreme north-west and wind gusts up to 73 miles per hour were registered at Stornoway. From the 24th to the 26th a spell of fair weather was associated with an anticyclone to the northward of the British Isles. Some good sunshine records were registered especially in western districts, Stornoway and Tiree both having daily amounts exceeding 10 hours. Apart from some scattered showers mainly fair conditions continued in the west, but dull, rather wet and cold weather marked the closing days of the month in eastern districts. The extremes of pressure in Edinburgh were 30.62 inches on the 12th and 29.23 inches on the 22nd.

Mean temperatures were slightly above normal in most places, but in the Clyde area and in parts of Perthshire the excess amounted to rather more than 2° F. The warmest day was the 13th, when shade temperature rose to 62° F. at Stonehaven, 61° F. at Lundin Links and 60° F. at Montrose. Cold spells occurred on the 9th-10th and from the 24th to 26th. The lowest temperatures reported were 20° F. at Braemar on the 24th, 21° F. at Dalwhinnie on the 9th, 23° F. at Balmoral on the 10th and at Wolfelee on the 24th. Ground frosts were registered locally on every day except from 3rd to 6th and from 14th to 16th. Dalwhinnie had the lowest readings, viz. 13° F. on the 24th and 15° F. on the 9th, 12th and 26th; other low ground minima were 17° F. at Braemar, 18° F. at Edinburgh and 19° F. at Carluke, all on the 24th.

Sunshine was below normal in east Scotland and abundant in the west. In the Clyde area the excess over the normal amounted to more than 20 hours. The highest aggregates were 128 hours at Troon, 124 hours at Carluke and Nairn and 123 hours at Dumfries and Stornoway. Less than 100 hours' sunshine were registered in the extreme north and in Aberdeenshire, and only 85 hours at Eskdalemuir and 78 hours at Strathly (Sutherland).

Over the southern half of Scotland the rainfall of the month was above average, but only at a few isolated stations did this excess amount to as much as 50 per cent. of the normal fall. In central and western districts totals were slightly less than average. Precipitation was frequent throughout the month, many stations having measurable rain on 28 of the 31 days. Daily falls exceeding an inch were fairly numerous, especially during the first week. The largest daily fall reported was 2.58 inches at Shiel near Carsphairn (Kirkeudbright) on the 7th; 1.65 inch fell at Glenlee (Kirkeudbright) and 1.60 inch at Saddell Manse (Kintyre) on this day. Other heavy daily falls were 1.50 inch at Shiel on the 1st, 1.98 inch at Kinlochquoich and 1.84 inch at North Ballachulish on the 2nd, 1.51 inch at Kinlochquoich on the 21st and 1.22 inch at West Hopes (East Lothian) on the 27th.

Snow fell in all districts from the 6th to the 8th and from 20th to 22nd and locally on 14 other days, but the falls were nowhere very heavy.

Hail was reported on 16 days. The most widespread falls were on the 6th and 7th in the west and from the 22nd to the 27th in all districts.

Fog occurred at one place or other on 12 days. On the 10th it was reported over practically the whole of the southern counties.

Gales were reported locally on 13 days. Those on the 2nd, 3rd, 6th and 20th were fairly widespread though not of unusual severity.

Thunderstorms occurred from the 5th to the 8th and on the 24th. On the 7th storms were reported from all parts of west Scotland. At Ullapool the storm was described as of exceptional severity and at Millport (Bute) as the worst experienced for many years. Several buildings in Millport were struck by lightning and hailstones measured half an inch in diameter.

Aurora was observed at some northern stations on 14 nights. It was seen as far south as Eskdalemuir on the 23rd.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 24.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, March 1939.

TOWNS.	POPULATION.		BIRTHS.						STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.	REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)			
								Both Sexes.			Males.	Females.		Out.	In.	
GLASGOW, . . .	1,093,337	1,131,600	1950	985	965	1849	101	105	519	1432	770	662	184	36	1284	
EDINBURGH, . .	439,010	473,200	635	333	302	600	35	19	238	628	295	333	112	19	535	
DUNDEE, . . .	175,681	178,200	221	119	102	207	14	8	63	205	104	101	17	6	194	
ABERDEEN, . .	169,803	179,400	260	134	126	246	14	10	85	224	132	92	40	7	191	
PAISLEY, . . .	86,445	91,700	143	81	67	142	6	5	38	87	36	51	8	11	90	
GREENOCK, . . .	79,012	81,600	134	73	56	128	6	7	22	105	62	43	13	7	99	
MOTHERWELL AND WISHAW, .	65,611	67,900	114	62	52	106	8	1	17	55	29	26	..	20	75	
CLYDEBANK, . .	46,991	48,000	70	37	33	66	4	4	9	22	13	9	..	18	40	
KIRKCALDY, . .	43,874	45,600	66	35	31	64	2	3	24	55	30	25	4	9	60	
COATBRIDGE, . .	43,312	45,300	85	43	42	82	3	5	10	52	26	26	1	7	58	
KILMARNOCK, . .	33,631	40,300	57	30	21	54	3	1	20	51	27	24	9	9	51	
HAMILTON, . . .	33,112	39,500	88	48	40	82	6	4	14	40	17	23	3	10	47	
AYR, . . .	38,905	41,100	62	33	29	61	1	4	16	56	30	26	21	1	36	
FALKIRK, . . .	36,566	38,400	60	33	27	58	2	..	17	60	33	27	13	..	47	
DUNFERMLINE, . .	35,058	37,300	40	26	14	37	3	..	16	49	25	24	10	7	46	
PERTH, . . .	35,051	36,400	57	33	24	54	3	4	18	53	24	29	13	..	40	
TOTAL (SIXTEEN TOWNS)	2,465,449	2,575,500	4047	2116	1931	3836	211	180	1126	3174	1653	1521	448	167	2893	

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, March 1939.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Registered.	Corr. for Transfers.							
GLASGOW, .	20.3	5.2	5.4	14.9	13.4	0.6	1.3	1.1	1.4	152	82	
EDINBURGH, .	15.8	5.5	5.9	15.6	13.3	0.7	0.8	0.6	1.5	48	76	
DUNDEE, . .	14.6	6.3	4.2	13.5	12.8	0.3	0.7	0.7	1.3	14	56	
ABERDEEN, .	17.1	5.4	5.6	14.7	12.5	0.4	0.6	0.5	1.6	12	47	
PAISLEY, . .	19.0	4.1	4.9	11.2	11.6	0.5	1.2	0.3	0.8	12	83	
GREENOCK, .	19.3	4.5	3.2	15.1	14.3	0.4	1.0	0.9	2.3	10	71	
MOTHERWELL AND WISHAW,	19.8	7.0	2.9	9.5	13.0	0.9	1.2	1.0	1.7	8	73	
CLYDEBANK,	17.2	5.7	2.2	5.4	9.8	..	1.2	1.0	0.5	3	41	
KIRKCALDY, .	17.0	3.0	6.2	14.2	15.5	0.5	0.8	0.5	1.5	3	51	
COATBRIDGE, .	22.1	3.5	2.6	13.5	15.1	0.3	0.5	0.5	2.1	8	88	
KILMARNOCK,	16.6	5.3	5.8	14.9	14.9	0.9	0.6	0.6	2.0	4	62	
HAMILTON, .	26.3	6.8	4.2	11.9	14.0	0.6	0.9	0.6	0.9	12	160	
AYR, . . .	17.8	1.3	4.6	16.0	10.3	..	1.1	0.9	0.9	3	55	
FALKIRK, . .	18.4	3.3	5.2	18.4	14.4	..	0.3	0.3	0.9	4	70	
DUNFERMLINE,	12.6	7.5	5.0	15.5	14.5	0.9	1.3	1.3	0.9	4	89	
PERTH, . . .	18.4	5.3	5.3	17.1	12.9	0.3	1.0	1.0	1.6	3	60	
TOTAL . (SIXTEEN TOWNS)	18.5	5.2	5.1	14.5	13.2	0.6	1.0	0.9	1.4	300	76	

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for March 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAR. 1939, .	18.5	5.2	5.1	13.2	1	0	1	45	23	36	3	10	76	42°·5
MAR. 1938, .	19.2	5.3	6.2	13.9	3	106	9	7	35	19	10	5	83	47°·7
MAR. 1937, .	18.4	5.1	6.9	16.3	0	6	7	104	19	64	10	18	115	36°·9
MAR. 1936, .	19.5	5.3	6.1	15.7	3	56	1	20	10	40	13	26	104	42°·3
MAR. 1935, .	19.3	5.3	5.3	16.2	2	4	3	35	38	224	4	11	115	43°·8
MAR. 1934, .	19.2	5.9	5.4	14.8	0	63	22	15	32	52	14	20	109	40°·4
MAR. 1933, .	19.2	6.0	5.0	13.8	0	6	12	61	17	50	26	13	89	44°·0
MAR. 1932, .	20.5	5.9	6.2	18.8	0	147	18	23	25	229	18	27	152	41°·5
MAR. 1931, .	21.4	6.4	5.7	18.1	0	5	7	126	19	159	23	21	120	37°·8
MAR. 1930, .	21.2	6.7	6.4	17.5	1	127	6	59	20	57	28	30	130	39°·6
MAR. 1929, .	20.2	6.8	5.1	17.4	0	8	6	73	20	113	41	13	107	43°·4

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
6	Whooping-cough -	45	20	25	28	15	2	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	28	15	13	2	12	11	1	1	-	-	-	-	-	-	1	-	-
8	Influenza -	36	23	13	4	-	-	-	2	2	2	3	5	7	7	4	-	-
14 (1)	Cerebro-spinal Fever -	3	-	3	-	1	1	-	-	-	-	-	1	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	10	6	4	-	3	-	-	-	-	1	1	3	1	1	-	-	-
10	Tuberculosis of Respiratory System -	193	111	82	1	2	2	1	50	46	33	28	24	5	1	-	-	-
11	Other Tuberculous Diseases -	36	22	14	3	6	7	4	9	2	2	1	1	1	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	10	9	1	2	-	-	-	-	1	-	1	-	4	2	-	-	-
15	Cancer, Malignant Disease -	353	177	181	-	1	-	-	3	7	23	47	97	124	52	4	-	-
18	Diabetes Mellitus -	31	9	22	-	-	-	-	1	-	-	3	8	13	4	2	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	62	19	43	2	-	4	2	4	6	3	13	13	11	4	-	-	-
22	Cerebral Hæmorrhage, &c. -	254	110	144	1	-	-	-	1	4	4	22	73	79	56	14	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	65	34	31	10	3	-	2	8	4	9	6	8	7	7	1	-	-
24	Heart Disease -	671	343	328	-	3	2	9	22	31	61	123	219	164	37	-	-	-
25	Other Circulatory Diseases -	72	37	35	-	1	-	1	1	1	1	6	8	22	27	5	-	-
26	Bronchitis -	139	76	63	10	1	-	1	3	3	9	19	49	33	10	-	-	-
27	Pneumonia (all forms) -	135	65	70	41	12	2	3	3	4	6	17	23	12	6	-	-	-
28	Other Respiratory Diseases -	34	14	20	2	2	-	-	-	-	1	5	5	10	4	5	-	-
32 (1)	Gastric and Duodenal Ulcer -	29	22	7	-	-	-	-	-	3	2	6	12	3	2	1	-	-
29	Diarrhoea, &c. (all ages) -	46	25	21	32	6	1	-	-	1	1	-	2	1	2	-	-	-
30	Appendicitis -	12	11	1	-	2	1	1	1	-	3	2	1	-	1	-	-	-
31 (1)	Cirrhosis of Liver -	13	4	9	-	-	-	-	-	-	1	3	2	6	1	-	-	-
31 (2)	Other Diseases of Liver, &c. -	15	3	12	-	-	-	-	1	1	-	2	5	4	2	-	-	-
32 (2)	Other Digestive Diseases -	45	26	19	7	1	1	-	-	2	2	8	3	11	7	3	-	-
33	Acute and Chronic Nephritis -	82	41	41	-	-	-	1	3	4	5	11	16	30	10	2	-	-
34	Other Dis. of Genito-Urinary System -	50	35	15	1	1	-	-	-	2	2	3	10	9	16	6	-	-
35	Puerperal Sepsis -	7	-	7	-	-	-	-	-	1	4	2	-	-	-	-	-	-
36	Other Puerperal Causes -	12	-	12	-	-	-	-	-	1	7	4	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	19	15	4	1	1	2	3	1	-	2	-	1	4	3	1	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	148	87	61	145	1	-	1	-	1	-	-	-	-	-	-	-	-
39	Old Age -	70	21	49	-	-	-	-	-	-	-	-	-	5	42	23	-	-
40	Suicide -	25	18	7	-	-	-	-	-	1	5	-	6	5	8	-	-	-
42	Other Violence (41) -	105	66	39	8	10	4	3	5	6	16	5	11	14	17	6	-	-
43	Causes ill-defined or Unknown -	31	20	11	-	-	-	-	-	-	-	1	3	8	14	5	-	-
ALL CAUSES -		2393	1485	1408	300	80	42	25	106	139	161	261	482	684	433	130		

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	...	...	...	...
6	Whooping-cough	45	28	7	1	...	...	1	4	...
7	Diphtheria	28	21	...	1	1	3	...	...	...
8	Influenza	36	7	15	3	4	...	2	1	...
14 (1)	Cerebro-spinal Fever	3	2	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	10	3	5	...	1	1	...	...	...
10	Tuberculosis of Respiratory System ...	193	110	24	10	8	6	6	6	4
11	Other Tuberculous Diseases	36	18	8	...	1	3	1	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	6	1	1	...	...	...	1	...
15	Cancer, Malignant Disease	358	138	88	24	19	12	12	8	11
18	Diabetes Mellitus	31	11	7	3	3	3	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	62	26	10	2	5	2	...	3	...
22	Cerebral Hæmorrhage, &c.	254	111	43	19	16	4	11	7	1
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	65	32	10	5	7	2	1	...	...
24	Heart Disease	671	282	118	66	47	29	14	18	11
25	Other Circulatory Diseases	72	29	19	4	8	1	1	1	1
26	Bronchitis	139	60	24	10	11	3	6	4	2
27	Pneumonia (all forms)	135	63	29	6	9	3	9	6	...
28	Other Respiratory Diseases	34	11	6	3	4	...	1	...	...
32 (1)	Gastric and Duodenal Ulcer	29	10	5	1	5	4	1	1	...
29	Diarrhœa, &c. (all Ages)	46	20	8	...	2	5	2	...	2
30	Appendicitis	12	4	3	...	...	...	1	...	...
31 (1)	Cirrhosis of Liver	13	6	1	1	...	...	1	...	1
31 (2)	Other Diseases of Liver, &c.	15	7	3	2	...	1	...	...	...
32 (2)	Other Digestive Diseases	45	22	12	...	3	2	1	1	...
33	Acute and Chronic Nephritis	82	31	13	8	7	...	2	...	2
34	Oth. Diseases of Genito-Urinary System	50	23	11	3	4	...	2	2	1
35	Puerperal Sepsis	7	3	2	...	1	...	1	...	...
36	Other Puerperal Causes	12	9	...	...	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	19	9	4	1	4	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	148	70	24	8	8	4	3	3	2
39	Old Age	70	27	9	5	5	...	9	2	...
40	Suicide	25	12	6	2	...	...	...	...	...
42	Other Violence (41)	105	50	19	5	6	1	8	3	1
43	Causes Ill-defined or Unknown	31	22	1	...	2	1	1	3	...
	All Causes	2893	1284	535	194	191	90	99	75	40
	AGE AT DEATH.									
	Under 1	300	152	48	14	12	12	10	8	3
	1-4	80	47	10	3	2	1	1	4	1
	5-9	42	28	4	...	3	2	1	...	1
	10-14	25	12	3	1	1	2	1	2	...
	15-24	106	58	12	8	4	3	4	4	1
	25-34	139	76	16	8	8	4	6	5	1
	35-44	161	87	17	9	9	4	7	5	2
	45-54	261	125	43	12	17	10	6	7	3
	55-64	482	215	87	38	30	13	20	14	13
	65-74	684	273	142	51	49	26	16	16	8
	75-84	483	174	114	36	42	12	17	10	5
	85 and over	130	37	39	14	14	1	10	...	2
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2893	1284	535	194	191	90	99	75	40

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	1	...
6	Whooping-cough ... ..	...	1	...	2	...	...	1	...
7	Diphtheria ... ..	...	...	1	...	...	...	...	1
8	Influenza	2	...	1	...	...	...	1	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	2	2	2	2	3	1	4	3
11	Other Tuberculous Diseases	1	...	...	1	1	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	1	...	...	...	...
15	Cancer, Malignant Disease	10	7	9	1	4	7	5	3
18	Diabetes Mellitus	1	...	...	1	...	...	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	3	1	3	2	2	...	2
22	Cerebral Hæmorrhage, &c.	7	3	4	3	6	6	7	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	1	1	2	...	2	1	...
24	Heart Disease	11	14	16	11	5	11	11	7
25	Other Circulatory Diseases	1	2	...	...	3	2	...	...
26	Bronchitis	4	6	3	2	...	2	1	1
27	Pneumonia (all forms) ... ..	...	2	3	...	1	1	2	1
28	Other Respiratory Diseases	2	...	1	1	2	...	...	3
32 (1)	Gastric and Duodenal Ulcer	1	...	...	1	...	...	...	...
29	Diarrhœa, &c. (all Ages)	1	3	...	2	...	...	1	...
30	Appendicitis ... ..	...	1	1	1	...	...	...	1
31 (1)	Cirrhosis of Liver	1	...	...	...	1	...	1	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	1	...	...	1	...	...
32 (2)	Other Digestive Diseases ... ..	...	...	...	...	3	1	...	...
33	Acute and Chronic Nephritis	4	3	2	3	...	3	4	...
34	Oth. Diseases of Genito-Urinary System	...	...	...	...	...	1	...	3
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	1	...	...	...	...	...	...	1
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	4	3	7	2	4	1	3
39	Old Age	2	4	1	1	...	1	1	3
40	Suicide	1	1	...	...	2	...	1	...
42	Other Violence (41)	4	1	...	1	1	2	2	1
43	Causes Ill-defined or Unknown ... ..	...	...	...	1	...	...	...	...
	All Causes	60	58	51	47	36	47	46	40
	AGE AT DEATH.								
	Under 1	3	8	4	12	3	4	4	3
	1-4	2	4	...	3	...	1	...	1
	5-9 ... ..	...	...	1	1	1	...	...	...
	10-14 ... ..	...	1	...	2	...	...	...	...
	15-24 ... ..	...	3	...	2	2	2	2	1
	25-34	5	...	3	1	1	1	1	3
	35-44	2	3	6	2	2	1	4	1
	45-54	5	6	4	5	3	6	4	5
	55-64	16	8	5	6	3	9	2	3
	65-74	18	12	16	9	13	11	16	8
	75-84	8	12	11	3	6	10	10	12
	85 and over	1	1	1	1	2	2	3	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	60	58	51	47	36	47	46	40

* See note (†), Table III.

MONTHLY RETURN OF THE REGISTRAR-GENERAL Scotland BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

April, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of April 1939 the births (corrected for transfer to place of usual residence) of 3,927 living children, of whom 2,016 were males and 1,911 were females, and of 172 still-born children. Compared with the number in the previous month live births were 120 fewer, male births being 100 fewer and female births 20 fewer. The monthly birth-rate (living children only) in these towns taken collectively was 18·6 per thousand. It is the lowest rate recorded in these reports for the month of April in any year. This rate is 0·1 more than that for the previous month but is 1·8 below the five years' average. The births of still-born children correspond to a rate of 42 per thousand total births registered (including still-born) as compared with 43 in the previous month.

In the individual towns the monthly birth-rate ranged from 24·7 in Coatbridge, 22·1 in Greenock and 21·5 in Paisley, to 16·3 in Kirkcaldy, 14·3 in Falkirk and 13·8 in Aberdeen. In Kilmarnock the rate was 21·4, in Hamilton 21·3, in Glasgow 19·6, in Ayr 19·5, in Dunfermline 18·9, in Clydebank 18·8, in Motherwell and Wishaw 18·4, in Perth 17·7, in Edinburgh 16·8 and in Dundee 16·5.

Of the 3,927 living children whose births were registered during the month, 3,723 or 94·8 per cent. were legitimate, while 204 or 5·2 per cent. were illegitimate. The legitimate children numbered 113 fewer than in the previous month and the illegitimate children 7 fewer. The illegitimate percentage for the month is the same as that for the previous month. In the individual towns it ranged from 10·3 in Dunfermline, 9·4 in Aberdeen and 7·6 in Ayr, to 2·7 in Greenock and in Clydebank, 1·9 in Perth and 0 in Kirkcaldy. In Glasgow the rate was 5·1 and in Edinburgh 5·7.

Marriages.—Marriages registered during the month numbered 2,283 and are 1,157 more than in the previous month. The marriage-rate, 10·8 per thousand, is 5·7 above that for the previous month and 0·8 above the average. In the individual towns it ranged from 13·3 in Kilmarnock, 12·6 in Paisley and 12·0 in Kirkcaldy, to 8·2 in Greenock, 8·1 in Coatbridge and 6·3 in Falkirk. In Glasgow

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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the rate was 11·7 and in Edinburgh 10·7. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,721, of which 1,367 were of males and 1,354 were of females. This number is 172 fewer than in the previous month, males being 118 fewer and females 54 fewer.

The monthly death-rate in these towns taken collectively was 12·9 per thousand, being 0·3 below that for the previous month and 1·4 below the average. In the towns taken individually the death-rate ranged from 16·5 in Clydebank, 14·7 in Perth and 14·0 in Dunfermline, to 11·8 in Greenock, 11·3 in Motherwell and Wishaw and 9·8 in Falkirk. In Hamilton the rate was 13·9, in Coatbridge 13·7, in Kirkealdy 13·3, in Edinburgh 13·1, in Glasgow 12·8, in Kilmarnock 12·7, in Dundee and in Paisley 12·6, in Aberdeen 12·5 and in Ayr 12·1.

Deaths of children aged less than one year numbered 285 and equalled an infantile mortality rate of 75 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. It is the lowest rate recorded in these reports for the month of April in any year. These deaths are 15 fewer than in the previous month, while the rate is 1 less than in that month and 22 below the average. In the individual towns this rate ranged from 125 in Hamilton, 111 in Kilmarnock and 100 in Paisley, to 56 in Coatbridge, 45 in Aberdeen and 38 in Falkirk. In Ayr the rate was 96, in Kirkealdy 89, in Greenock 88, in Clydebank 86, in Glasgow 81, in Dunfermline 68, in Motherwell and Wishaw 66, in Edinburgh and in Perth 61 and in Dundee 58.

Causes of Death.—Deaths from the principal epidemic diseases numbered 74 and equalled a death-rate of 0·3 per thousand. These deaths are 50 fewer than in the previous month and the rate is 0·3 less. They include none from typhoid fever, 2 from measles, 1 from scarlet fever, 23 from whooping-cough, 21 from diphtheria, 19 from influenza, 1 from cerebro-spinal fever, and 7 from other epidemic diseases, 4 of which were ascribed to lethargic encephalitis, 2 to erysipelas and 1 to dysentery. Compared with the number in the previous month deaths from measles are 2 more, from scarlet fever the same, from whooping-cough 22 fewer, from diphtheria 7 fewer, from influenza 17 fewer, from cerebro-spinal fever 2 fewer and from other epidemic diseases 3 fewer. In the previous month 1 death was registered from typhoid fever.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 336 and equalled a death-rate of 1·6 per thousand. It is the lowest rate recorded in these reports for the month of April with the exception of that for April 1938, when it was also 1·6. Compared with the number in the previous month these deaths are 28 more, while the rate is 0·2 more but is 0·5 below the average.

Deaths from all forms of tuberculosis numbered 199, of which 157 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 30 fewer and those from respiratory tuberculosis 36 fewer. Compared with the average the former are 23 fewer and the latter 13 fewer.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

APRIL 1939.

Mean barometric pressure, 29·905 ins.; less than the average* by 0·014 in.

Mean temperature, 45·2° F.; greater by 0·7° F.

Mean daily range of temperature, 13·4° F.; less by 0·2° F.

Mean daily sunshine, 4·52 hours; less by 0·20 hour.

Rain, depth in inches, 1·76; less by 0·30 inch.

Wind, direction of: a four days' excess of winds between N.W. and N.E.

Unsettled conditions prevailed over most of Scotland at the beginning of

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

April, but in the extreme north the month opened fair with some good sunshine records. By the 7th anticyclonic conditions had become established over the country, resulting in a warm, sunny Easter. From the 13th to 17th conditions were again unsettled with gales in most districts. Another fine and relatively warm spell occurred during anti-cyclonic conditions from the 18th to 20th. A period of cool showery weather followed from the 21st to 27th. Towards the close of the month anticyclonic conditions again set in and the weather, though still rather cool for the time of year, was fine and sunny. The extremes of pressure in Edinburgh were 30.57 inches on the 18th and 29.29 inches on the 4th.

Mean temperatures were about equal to or slightly above normal. The greatest excess, rather more than a degree F., occurred in the counties of Renfrew and Ayr. The warmest day was the 11th, when shade temperatures rose to 72° F. at Ruthwell and to 70° F. at many other stations in the south-west. Cold spells occurred from the 5th to 7th and from the 27th to 30th. The lowest shade temperatures reported were 19° F. at Dalwhinnie and 20° F. at West Linton and Braemar on the 7th. The latter station also registered a minimum of 20° F. on the 30th. Ground frosts were registered in one place or other on every day except the 10th and from the 13th to 16th. Dalwhinnie recorded the lowest ground minima, viz. 8° F. on the 7th, 9° F. on the 30th and 10° F. on the 29th. The next lowest value reported was 11° F. at Balmoral on the 7th.

Sunshine aggregates were above normal at coastal stations but generally rather deficient inland. The greatest excess over the normal occurred in Shetland, where Lerwick had 164 hours' sunshine or 37 hours more than its normal. The largest aggregates were 179 hours at Dunbar, 174 hours at Stornoway, 173 hours at Turnberry and 170 hours at Arbroath. The smallest aggregates were 103 hours at Dalwhinnie and 106 hours at Fort Augustus and Benmore.

Rainfall totals were less than average over the greater part of Scotland, but equalled or slightly exceeded the average in the Clyde area and in parts of the Western Highlands. The largest deficiencies occurred along the east coast, where Aberdeen and Montrose had less than half the normal rainfall. Daily falls exceeding an inch were fairly numerous in western districts between the 13th and 16th and from the 21st to 23rd. Among the largest falls reported were 1.50 inch at Kinlochquoich on the 14th, 1.63 inch at Glenmoidart and 1.52 inch at Kinlochquoich on the 16th, 1.56 inch at Knoydart on the 21st, 1.66 inch in North Uist (Vallay) on the 22nd and 1.62 inch at Glenmoidart on the 23rd.

Snow was reported at one place or other on 16 days. On the 25th and 26th it fell generally in northern and central districts but did not lie to any appreciable depth.

Hail occurred on 16 days, the most widespread falls being on the 25th and 26th.

Fog, mostly of coastal type, occurred locally on 7 days.

Gales were reported on 10 days. Those of the 16th and 17th were the most severe, when gusts up to 60 miles per hour were registered at the Bell Rock and up to 65 miles per hour at Stornoway.

Thunder was reported locally on 7 days. The most disturbed period was from the 11th to 13th, when storms occurred generally over the southern counties.

Aurora was observed at northern stations on 14 nights. It was seen at Eskdalemuir on the 4th and 17th and at St. Abb's Head on the 17th and 24th.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 32.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, April 1939.

TOWNS.	POPULATION.		BIRTHS.						STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)			
								Both Sexes.			Males.	Females.		Out.	In.	
GLASGOW, . . .	1,093,337	1,181,600	1827	924	903	1733	94	73	1085	1356	718	638	198	34	1192	
EDINBURGH, . .	439,010	473,200	654	349	305	617	37	36	418	593	299	294	100	18	511	
DUNDEE, . . .	175,681	178,200	241	128	113	227	14	10	155	200	93	107	20	4	184	
ABERDEEN, . . .	169,803	179,400	203	111	92	184	19	16	130	221	108	113	40	4	185	
PAISLEY, . . .	86,445	91,700	162	83	79	153	9	1	95	83	38	45	9	21	95	
GREENOCK, . . .	79,012	81,600	148	72	76	144	4	12	55	86	44	42	10	3	79	
MOTHERWELL AND WISHAW, . .	65,611	67,900	103	50	53	100	3	1	47	49	26	23	1	15	63	
CLYDEBANK, . .	46,991	48,000	74	41	33	72	2	2	33	33	21	12	..	32	65	
KIRKCALDY, . .	43,874	45,600	61	29	32	61	..	3	45	47	24	23	6	9	50	
COATBRIDGE, . .	43,312	45,300	92	42	50	88	4	5	30	41	20	21	1	11	51	
KILMARNOCK, . .	38,681	40,300	71	41	30	69	2	..	44	48	26	22	12	6	42	
HAMILTON, . . .	38,112	39,500	69	30	39	67	2	2	33	41	15	26	4	8	45	
AYR, . . .	38,905	41,100	66	37	29	61	5	5	31	48	20	28	15	8	41	
FALKIRK, . . .	36,566	38,400	45	22	23	43	2	4	20	33	24	14	8	1	31	
DUNFERMLINE, . .	35,058	37,300	58	28	30	52	6	2	29	52	28	24	17	8	43	
PERTH, . . .	35,051	36,400	53	29	24	52	1	..	33	59	33	26	17	2	44	
TOTAL (SIXTEEN TOWNS)	2,465,449	2,575,500	3927	2016	1911	3723	204	172	2233	2995	1587	1458	458	184	2721	

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, April 1939.

TOWNS.	Birth- Rate (living child- ren) per 1000 of Popu- lation.	Illegiti- mate Birth- Rate (living child- ren) per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	19.6	5.1	11.7	14.6	12.8	0.4	1.2	0.9	1.7	145	81	
EDINBURGH, .	16.8	5.7	10.7	15.2	13.1	0.2	0.8	0.6	1.6	37	61	
DUNDEE, . .	16.5	5.8	10.6	13.7	12.6	0.1	0.6	0.5	1.2	14	58	
ABERDEEN, .	13.8	9.4	8.8	15.0	12.5	0.3	0.7	0.7	1.4	11	45	
PAISLEY, . .	21.5	5.6	12.6	11.0	12.6	0.7	1.3	1.1	2.0	14	100	
GREENOCK, .	22.1	2.7	3.2	12.8	11.8	0.3	0.9	0.7	0.7	12	88	
MOTHERWELL AND WISHAW,	18.4	2.9	8.4	8.8	11.3	0.2	0.9	0.2	2.0	7	66	
CLYDEBANK,	18.9	2.7	8.4	8.4	16.5	..	0.8	0.3	2.0	6	86	
KIRKCALDY, .	16.3	..	12.0	12.5	13.3	0.3	0.3	0.3	1.3	5	89	
COATBRIDGE, .	24.7	4.3	8.1	11.0	13.7	0.3	1.6	0.8	0.8	5	56	
KILMARNOCK,	21.4	2.8	13.3	14.5	12.7	0.9	0.9	0.9	1.2	7	111	
HAMILTON, . .	21.3	2.9	10.2	12.6	13.9	0.6	0.3	0.3	1.9	9	125	
AYR, . . .	19.5	7.6	9.2	14.2	12.1	0.3	0.6	0.6	2.4	5	96	
FALKIRK, . . .	14.3	4.4	6.3	12.0	9.8	..	0.6	0.3	2.2	2	38	
DUNFERMLINE,	18.9	10.3	9.5	17.0	14.0	1.0	1.0	0.7	1.0	3	68	
PERTH, . . .	17.7	1.9	11.0	19.7	14.7	0.3	..	..	2.0	3	61
TOTAL . (SIXTEEN TOWNS)	18.6	5.2	10.8	14.1	12.9	0.3	0.9	0.7	1.6	285	75	

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for April 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children) per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	†Other Epidemic Diseases.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
APR. 1939, .	18·6	5·2	10·8	12·9	0	2	1	23	21	19	1	7	75	45°·2	
APR. 1938, .	20·3	5·5	9·7	12·8	0	111	8	7	18	16	7	12	85	46°·4	
APR. 1937, .	21·4	5·6	9·1	13·7	1	9	5	89	12	21	14	10	99	46°·7	
APR. 1936, .	20·5	6·0	10·5	14·4	3	103	8	17	15	19	7	16	94	43°·1	
APR. 1935, .	19·9	5·5	10·8	14·7	0	4	8	62	14	91	16	19	93	44°·7	
APR. 1934, .	19·9	6·4	10·1	15·9	0	240	14	31	36	17	8	15	113	44°·0	
APR. 1933, .	19·1	6·3	8·2	12·1	0	1	7	53	12	18	11	13	89	47°·7	
APR. 1932, .	21·1	6·6	7·4	15·2	0	81	10	27	24	73	17	17	107	42°·7	
APR. 1931, .	21·4	6·6	9·1	15·1	0	5	14	97	20	74	22	12	105	44°·8	
APR. 1930, .	21·6	6·4	9·7	15·3	1	106	5	63	22	43	20	24	103	45°·5	
APR. 1929, .	22·5	6·4	10·3	14·6	0	2	7	60	23	88	23	13	96	42°·8	

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
					-	-	-	-	-	-	-	-	-	-	-	-	-	
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles -	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	23	14	9	15	8	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	21	7	14	-	8	11	1	-	-	1	-	-	-	-	-	-	-
8	Influenza -	19	3	16	2	-	-	-	-	-	1	1	1	3	6	5	-	-
14 (1)	Cerebro-spinal Fever -	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	7	5	2	-	1	-	1	-	-	1	1	2	1	1	-	-	-
10	Tuberculosis of Respiratory System -	157	88	69	1	1	-	7	42	35	28	28	11	4	-	-	-	-
11	Other Tuberculous Diseases -	42	25	17	3	7	5	7	11	5	4	19	59	94	73	18	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	12	3	9	4	3	-	1	-	-	1	1	-	2	-	-	-	-
15	Cancer, Malignant Disease -	323	145	183	-	-	-	1	-	7	22	41	100	103	46	8	-	-
18	Diabetes Mellitus -	33	10	23	-	-	-	-	-	2	4	5	8	10	4	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	58	19	39	2	-	2	3	3	7	12	12	6	7	3	1	-	-
22	Cerebral Hemorrhage, &c. -	271	119	152	-	-	-	-	4	-	4	19	59	94	73	18	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	47	22	25	8	2	3	1	-	4	7	3	13	4	1	1	-	-
24	Heart Disease -	645	320	325	-	1	-	3	3	12	27	59	124	193	176	42	-	-
25	Other Circulatory Diseases -	62	33	29	1	-	-	-	-	1	1	5	10	22	17	5	-	-
26	Bronchitis -	142	73	64	9	1	1	-	-	3	5	14	18	47	39	5	-	-
27	Pneumonia (all forms) -	164	96	68	58	8	2	-	3	7	12	11	23	20	19	1	-	-
28	Other Respiratory Diseases -	30	15	15	-	1	-	1	-	1	4	2	4	2	11	4	1	-
32 (1)	Gastric and Duodenal Ulcer -	31	24	7	-	-	-	-	2	2	10	8	5	2	2	-	-	-
29	Diarrhœa, &c. (all ages) -	41	23	18	28	4	-	1	-	1	-	1	4	1	-	1	-	-
30	Appendicitis -	12	6	6	-	2	-	-	-	4	-	2	1	3	-	-	-	-
31 (1)	Cirrhosis of Liver -	7	3	4	-	-	-	-	-	-	-	2	2	1	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	12	3	9	-	-	-	-	-	1	-	1	4	2	4	-	-	-
32 (2)	Other Digestive Diseases -	40	17	23	3	2	1	-	2	1	4	2	10	5	10	-	-	-
33	Acute and Chronic Nephritis -	79	35	44	-	1	1	1	2	3	7	12	16	21	12	3	-	-
34	Other Dis. of Genito-Urinary System -	38	26	12	1	-	-	-	-	-	4	3	15	11	-	-	-	-
35	Puerperal Sepsis -	5	-	5	-	-	-	-	-	2	3	-	-	-	-	-	-	-
36	Other Puerperal Causes -	7	-	7	-	-	-	-	-	1	4	2	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	26	18	8	6	2	1	2	2	-	-	3	4	4	2	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	136	86	50	133	2	1	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	75	27	48	-	-	-	-	-	-	-	-	-	7	41	27	-	-
40	Suicide -	26	21	5	-	-	-	-	1	2	3	7	7	4	2	-	-	-
42	Other Violence (41) -	88	59	29	8	6	2	3	11	13	4	5	11	11	12	2	-	-
43	Causes ill-defined or Unknown -	33	17	16	1	-	-	-	-	-	1	1	10	14	6	-	-	-
	ALL CAUSES -	2721	1367	1354	235	60	31	31	93	121	170	251	458	616	490	115	-	-

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	2	2	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	...	...	...	...
6	Whooping-cough	23	14	4	...	...	2	1	...	...
7	Diphtheria	21	15	...	...	3	2	...	...	...
8	Influenza	19	5	3	1	2	...	1	...	...
14 (1)	Cerebro-spinal Fever	1	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	7	3	2	...	...	1	...	1	...
10	Tuberculosis of Respiratory System ...	157	88	23	8	10	8	5	1	1
11	Other Tuberculous Diseases	42	20	7	1	...	2	1	4	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	12	6	2	1	2	...	...	1	...
15	Cancer, Malignant Disease	328	129	73	29	27	12	9	10	5
18	Diabetes Mellitus	33	16	3	3	...	1	1	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	58	29	14	...	2	1	...	2	4
22	Cerebral Hæmorrhage, &c.	271	108	52	32	18	6	7	5	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	47	22	6	2	3	2	4	1	1
24	Heart Disease	645	273	128	48	54	24	15	16	15
25	Other Circulatory Diseases	62	19	19	1	4	1	1	3	1
26	Bronchitis	142	67	25	8	8	6	2	6	4
27	Pneumonia (all forms)	164	77	27	9	13	8	3	4	4
28	Other Respiratory Diseases	30	10	10	1	...	1	...	1	...
32 (1)	Gastric and Duodenal Ulcer	31	17	4	...	2	1	2	1	1
29	Diarrhoea, &c. (all Ages)	41	19	9	1	2	4	1	...	2
30	Appendicitis	12	2	2	...	1	...	1	...	1
31 (1)	Cirrhosis of Liver	7	4	3	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	12	3	2	1	3	...	...	...	...
32 (2)	Other Digestive Diseases	40	17	7	2	4	1	5	...	1
33	Acute and Chronic Nephritis	79	25	24	4	4	4	2	...	1
34	Oth. Diseases of Genito-Urinary System	38	15	7	3	3	1	3	1	1
35	Puerperal Sepsis	5	4	...	...	...	...	1	...	...
36	Other Puerperal Causes	7	2	...	2	...	1	1	...	...
37	Dis. of Skin, and of Locomotor System	26	13	4	1	1	1	2	...	3
38	Congenital Debility, Premature Birth, Malformations, &c.	136	66	16	10	7	2	6	...	7
39	Old Age	75	39	10	5	4	...	2	2	2
40	Suicide	26	9	10	2	1	...	...	...	...
42	Other Violence (41)	88	35	13	8	2	3	1	2	2
43	Causes Ill-defined or Unknown	33	19	2	1	5	...	2	...	1
	All Causes	2721	1192	511	184	185	95	79	63	65
	AGE AT DEATH.									
	Under 1	285	145	37	14	11	14	12	7	6
	1-4	60	32	8	1	4	2	3	...	3
	5-9	31	14	3	...	4	4	...	1	1
	10-14	31	17	3	3	...	2	1	1	...
	15-24	93	47	9	4	3	5	6	1	6
	25-34	121	62	9	13	9	6	2	3	1
	35-44	170	70	35	12	13	5	7	8	2
	45-54	251	114	47	12	19	10	4	7	9
	55-64	458	187	101	31	25	8	15	11	13
	65-74	616	247	123	47	57	21	18	10	14
	75-84	490	212	109	33	37	15	11	8	10
	85 and over	115	45	27	14	3	3	...	6	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2721	1192	511	184	185	95	79	63	65

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1939—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	1	...	...	...	...
6	Whooping-cough	1	1	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	...	1	...
8	Influenza... ..	...	...	2	1	1	...	2	1
14 (1)	Cerebro-spinal Fever ... ..	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	3	3	1	2	1	2	...
11	Other Tuberculous Diseases ... ..	...	3	...	...	...	1	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	3	4	3	5	5	3	5	6
18	Diabetes Mellitus ... ..	...	1	1	3	1	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	2	...	2	2	...	...	...
22	Cerebral Hæmorrhage, &c.	5	5	3	4	3	4	6	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	2	1	1	...	1	...
24	Heart Disease	9	16	11	5	8	7	7	9
25	Other Circulatory Diseases	1	4	3	1	1	1	1	1
26	Bronchitis	4	2	...	1	2	3	1	3
27	Pneumonia (all forms)	1	1	3	4	5	3	1	1
28	Other Respiratory Diseases ... ..	...	...	1	1	1	1	1	2
32 (1)	Gastric and Duodenal Ulcer	2	...	...	...	...	...	1	...
29	Diarrhoea, &c. (all Ages) ... ..	...	...	...	...	2	...	...	1
30	Appendicitis ... ..	...	1	1	1	...	2	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	1	...	1	...	...	...	...
32 (2)	Other Digestive Diseases	2	...	...	...	...	...	...	1
33	Acute and Chronic Nephritis	6	...	...	...	1	1	3	4
34	Oth. Diseases of Genito-Urinary System	1	1	...	1	...	...	1	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	1	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	1	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	4	1	5	6	2	...	2	2
39	Old Age	3	...	...	3	2	1	1	1
40	Suicide	2	...	...	...	1	...	...	1
42	Other Violence (41)	4	2	3	2	1	3	4	3
43	Causes Ill-defined or Unknown ... ..	...	1	...	...	...	...	1	1
	All Causes	50	51	42	45	41	31	43	44
	AGE AT DEATH.								
	Under 1	5	5	7	9	5	2	3	3
	1-4	1	2	...	1	...	1	1	1
	5-9 ... ..	...	...	1	2	...	...	1	...
	10-14 ... ..	...	1	...	...	...	2	1	...
	15-24	2	1	2	2	1	1	3	...
	25-34	1	6	4	2	1	...	1	1
	35-44	4	5	2	1	3	1	1	1
	45-54	2	2	...	6	7	3	4	5
	55-64	5	10	6	5	11	7	11	12
	65-74	19	9	10	8	6	6	7	14
	75-84	7	10	6	7	5	6	9	5
	85 and over	4	...	4	2	2	2	1	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	50	51	42	45	41	31	43	44

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS Made at Eleven of the Principal Towns during the Month of April 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.						HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.					
			Mean of	Absolute Maximum and Minimum.		Difference from Average.	Mean of A and B (Mean Tem- perature).	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.			
				Maximum (A.)	Minimum (B.)													
																° F.	° F.	
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	85	1012.9 29.913	52.7	38.3	+1.0	67	11th	24	7th	° F. 45.1	° F. 27	° F. 8.1	inch. 2.09	inch. -0.15	3.98	-0.46	28	
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1013.2 29.920	50.2	39.0	+0.9	63	12th	32	27th	° F. 43.8	° F. 2.9	° F. 7.4	° F. 76	° F. 1.18	° F. -0.29	4.62	+0.07	33
DUNDEE, The Director of Studies, Training College.	147	1012.0 29.890	50.9	36.3	-0.3	66	12th	27	7th	° F. 46.1	° F. 3.3	° F. 7.9	° F. 75	° F. 1.06	° F. -0.55	4.78	+0.14	34
ABERDEEN, The Meteorological Office.	79	1011.9 29.883	49.0	38.5	+0.5	61	12th	31	7th	° F. 44.1	° F. 3.1	° F. 7.4	° F. 76	° F. 0.84	° F. -1.03	4.96	+0.15	35
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1012.9 29.913	53.3	39.8	+0.8	69	11th	30	7th	° F. 45.9	° F. 3.1	° F. 8.0	° F. 76	° F. 1.98	° F. -0.34	3.93	-0.72	28
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1012.9 29.913	52.1	40.0	+1.4	63	11, 12	32	7th	° F. 44.6	° F. 3.0	° F. 7.6	° F. 75	° F. 3.66	° F. +0.22	3.93	..	28
KIRKCALDY, The Medical Officer of Health.	137	..	51.6	38.5	+0.1	65	12th	29	7th	° F. 44.6	° F. 1.4	° F. 8.9	° F. 88	° F. 1.75	° F. ..	5.28	..	37
KILMARNOCK, W. DUNBAR, C.E.	132	..	54.2	38.3	+1.4	70	11th	22	5th	° F. 47.0	° F. 3.0	° F. 8.5	° F. 77	° F. 2.22	° F. +0.16	4.83	+0.17	34
AYR, The Medical Officer of Health.	43	..	52.7	39.4	..	70	11th	25	5th	° F. 46.9	° F. 1.6	° F. 9.6	° F. 87	° F. 1.37	° F. ..	4.67	..	33
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	51.2	38.6	+4.9	63	12th	29	7th	° F. 45.2	° F. 2.6	° F. 8.1	° F. 80	° F. 1.81	° F. ..	4.70	..	33
PERTH, J. RITCHIE, The Museum.	76	1012.6 29.903	53.0	37.2	+0.4	65	12th	23	7th	° F. 45.1	° F. 2.9	° F. 7.8	° F. 77	° F. 1.38	° F. -0.40	4.09	-0.73	29
Means	147	1012.7 29.905	51.9	38.5	+0.7	..	..	..	..	° F. 45.3	° F. 2.7	° F. 8.1	° F. 79	° F. 1.75	° F. -0.30	4.52	-0.20	32
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 56'.																		

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.
† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

MONTHLY RETURN
OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND
MARRIAGES

Registered in sixteen of the Principal Towns

May, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of May 1939 the births (corrected for transfer to place of usual residence) of 4,465 living children, of whom 2,284 were males and 2,181 were females, and of 229 still-born children. Compared with the number in the previous month the living births were 538 more, male births being 268 more and female births 270 more. The monthly birth-rate (living children only) in these towns taken collectively was 20·4 per thousand. This rate is 1·8 more than that for the previous month and is 0·5 above the five years' average. The births of still-born children correspond to a rate of 49 per thousand total births registered (including still-born) as compared with 42 in the previous month.

In the individual towns the monthly birth-rate ranged from 25·7 in Hamilton, 24·3 in Dunfermline and 23·1 in Greenock, to 16·2 in Falkirk and in Perth and 14·9 in Kilmarnock. In Coatbridge it was 22·6, in Glasgow 22·0, in Clydebank 21·8, in Paisley 21·3, in Motherwell and Wishaw 20·6, in Kirkcaldy 19·1, in Aberdeen 19·0, in Edinburgh 17·9, in Dundee 17·8 and in Ayr 17·2.

Of the 4,465 living children whose births were registered during the month, 4,189 or 93·8 per cent. were legitimate, while 276 or 6·2 per cent. were illegitimate. The legitimate children numbered 466 more than in the previous month and the illegitimate children 72 more. The illegitimate percentage for the month is 1·0 above that for the previous month. In the individual towns it ranged from 12·0 in Perth, 8·1 in Hamilton and 7·9 in Clydebank, to 3·9 in Kilmarnock, 3·4 in Motherwell and Wishaw and 2·3 in Coatbridge. In Glasgow the rate was 6·3 and in Edinburgh 6·2.

Marriages.—Marriages registered during the month numbered 1,151 and are 1,132 fewer than in the previous month. The marriage-rate, 5·3 per thousand, is 5·5 below that for the previous month but 1·3 above the average. It is the highest marriage-rate recorded for the month of May since 1921. In the individual towns it ranged from 7·1 in Perth, 6·3 in Aberdeen and 6·2 in Glasgow,

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.*

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to 2.5 in Clydebank and 2.2 in Paisley and in Greenock. In Edinburgh the rate was 5.2. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,875, of which 1,453 were of males and 1,422 were of females. This number is 154 more than in the previous month, males being 86 more and females 68 more.

The monthly death-rate in these towns taken collectively was 13.1 per thousand, being 0.2 above that for the previous month but 0.1 below the average. In the towns taken individually the death-rate ranged from 15.6 in Dundee and in Coatbridge and 15.2 in Ayr, to 11.6 in Kirkcaldy, in Hamilton and in Falkirk, 11.5 in Clydebank and 11.2 in Paisley. In Perth the rate was 14.9, in Kilmarnock 13.7, in Glasgow 13.3, in Edinburgh 13.1, in Motherwell and Wishaw 12.8, in Dunfermline 12.3, and in Aberdeen and in Greenock 11.7.

Deaths of children aged less than one year numbered 297 and equalled an infantile mortality rate of 75 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. It is the lowest rate recorded in these reports for the month of May in any year. These deaths are 12 more than in the previous month, while the rate is the same as in that month but 10 below the average. In the individual towns this rate ranged from 143 in Coatbridge, 140 in Perth and 111 in Ayr, to 54 in Edinburgh and in Clydebank and 26 in Hamilton. In Motherwell and Wishaw the rate was 100, in Paisley 89, in Dundee and in Kirkcaldy 85, in Glasgow 80, in Greenock 71, in Dunfermline 64, in Kilmarnock 63, and in Aberdeen and in Falkirk 56.

Causes of Death.—Deaths from the principal epidemic diseases numbered 76 and equalled a death-rate of 0.3 per thousand. These deaths are 2 more than in the previous month but the rate is the same. They include 1 from typhoid fever, 1 from measles, 2 from scarlet fever, 19 from whooping-cough, 32 from diphtheria, 9 from influenza, 2 from cerebro-spinal fever, and 10 from other epidemic diseases, 6 of which were ascribed to lethargic encephalitis, 2 to dysentery, 1 to erysipelas and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 1 fewer, from scarlet fever 1 more, from whooping-cough 4 fewer, from diphtheria 11 more, from influenza 10 fewer, from cerebro-spinal fever 1 more and from other epidemic diseases 3 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 280 and equalled a death-rate of 1.3 per thousand. It is the lowest rate recorded in these reports for the month of May in any year. Compared with the number in the previous month these deaths are 56 fewer, while the rate is 0.3 less and is 0.4 below the average.

Deaths from all forms of tuberculosis numbered 215, of which 162 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 16 more and those from respiratory tuberculosis 5 more. Compared with the average the former are 8 more and the latter 4 more.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

MAY 1939.

Mean barometric pressure, 30.114 ins.; greater than the average* by 0.137 in.

Mean temperature, 51.7° F.; greater by 1.8° F.

Mean daily range of temperature, 15.3° F.; greater by 0.9° F.

Mean daily sunshine, 5.89 hours; greater by 0.24 hour.

Rain, depth in inches, 1.09; less by 1.19 inches.

Wind, direction of: a two days' excess of north-easterly winds.

An anticyclone lay to the north of Scotland at the beginning of the month

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

and the fine, sunny weather which was experienced in all districts except the extreme north was accompanied by cold northerly or north-easterly winds. On the 4th a depression covering the north-east Atlantic extended its influence over these islands and mainly showery but milder weather persisted for several days. Cool conditions returned on the 11th, when an anticyclone extending from north-west Ireland to Iceland caused another spell of northerly winds. During the succeeding week weather was fair over Scotland though temperatures were still rather low for the time of year. It was not until the 22nd that conditions became more seasonable. Apart from a temporary break on the 26th the weather was generally warm and sunny throughout the last week, the closing days in particular being especially brilliant, when daily amounts of sunshine reached 15 hours in several places. The extremes of pressure in Edinburgh were 30.54 inches on the 28th and 29.45 inches on the 5th.

Mainly as a result of the warm weather in the last ten days, mean temperatures for the month were above normal in all districts. The greatest excess, about 2.5° F., occurred at Fortrose and in Edinburgh. The warmest days were the 30th and 31st, when many stations recorded the highest shade temperatures for several years. Outstanding readings were 80° F. at Forres and 79° F. at Nairn on the 30th and 80° F. at Newton Stewart on the 31st. A day temperature of 72° F. at Dalwhinnie on the 30th was followed by a night minimum of 33° F. in the screen. During the cold spell in the first week some unusually low screen temperatures were registered. Extreme minima reported were 26° F. at Glenlee, 27° F. at Balmoral and Braemar and 28° F. at Kilmarnock, all on the 3rd. Ground frosts occurred at many places on the 3rd and 4th and locally, mostly at high level stations, on 19 other nights. Dalwhinnie reported a ground temperature of 20° F. on the 13th and 31st, Balmoral registered 20° F. on the 3rd, and Braemar and West Linton 21° F., also on the 3rd.

Sunshine aggregates exceeded the normal in most places, but there were considerable deficiencies in Orkney and Shetland and lesser deficiencies in the extreme north-west and at a few stations in east Scotland. Some remarkable aggregates were registered on the west coast. Turnberry and Oban headed the list with 231 and 222 hours, representing excesses over their normals of 33 and 42 hours respectively. Most stations in Ayrshire and Renfrewshire registered upwards of 200 hours sunshine. The smallest aggregates were 115 hours at Lerwick and 123 hours at Deerness (Orkney), both totals being 41 hours short of the normal.

The month was unusually dry over the whole of Scotland, the total rainfall in many places being less than an inch. Over most of the country precipitation was less than half the normal, but areas along the Moray Firth and in Dumfriesshire received less than a quarter of their normal rainfall. Though totals were small, most places had measurable rain on about 12 days and nowhere was an absolute drought recorded. The heaviest daily falls were 0.95 inch at Kingairloch and 0.87 inch at Dunlossit (Islay) on the 3rd; 1.31 inch at Gruline (Mull) on the 4th; 1.17 inch at Frandy and 1.10 at Backhill, both in Glendevon, on the 5th, and 0.97 inch at Kinlochquoich and 0.93 inch at Ardgour on the 26th.

Hail fell locally on 5 days.

Fog, generally of coastal type, occurred on 7 days. It was most widely reported on the 3rd, 6th and 8th.

Winds reached gale force at Forres on the 4th, at St. Abb's Head on the 16th and along the western seaboard on the 23rd and 26th.

Thunderstorms were widespread in central and southern areas on the 7th and were reported locally on the 6th, 8th, 14th and 21st. A man was killed by lightning during the storm in Edinburgh on the 7th.

Only two observations of aurora were reported—at Paisley on the 10th and at Eskdalemuir on the 25th.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 40.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, May 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		
										Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW, . . .	1,093,337	1,131,600	2112	1112	1000	1980	132	98	597	1403	751	652	167	42	1278
EDINBURGH, . .	439,010	473,200	721	349	372	676	45	45	211	615	286	329	106	17	526
DUNDEE, . . .	175,631	173,200	270	135	135	253	17	13	51	245	121	124	18	9	236
ABERDEEN, . . .	169,803	179,400	290	157	133	271	19	13	96	210	107	103	37	6	179
PAISLEY, . . .	86,445	91,700	166	74	92	157	9	7	17	96	68	28	20	11	87
GREENOCK, . . .	79,012	81,600	160	81	79	150	10	8	15	89	50	39	17	3	81
MOTHERWELL AND WISHAW, . .	65,611	67,900	119	52	67	115	4	3	23	52	31	21	1	23	74
CLYDEBANK, . . .	46,991	43,000	89	44	45	82	7	2	10	31	13	18	..	16	47
KIRKCALDY, . . .	43,874	45,600	74	39	35	70	4	6	19	43	23	20	7	9	45
COATBRIDGE, . . .	43,312	45,300	87	51	36	85	2	1	14	54	27	27	1	7	60
KILMARNOCK, . .	38,681	40,300	51	26	25	49	2	5	11	57	22	35	15	5	47
HAMILTON, . . .	33,112	39,500	86	46	40	79	7	7	15	28	12	16	..	11	39
AYR, . . .	33,905	41,100	60	26	34	57	3	9	12	68	29	39	20	5	53
FALKIRK, . . .	36,566	38,400	53	25	28	49	4	6	20	52	29	23	17	3	38
DUNFERMLINE, . .	35,068	37,300	77	34	43	72	5	2	18	49	27	22	13	3	39
PERTH, . . .	35,051	36,490	50	33	17	44	6	4	22	61	29	32	16	1	46
TOTAL . . . (SIXTEEN TOWNS)	2,465,449	2,575,500	4465	2284	2181	4189	276	229	1151	3153	1625	1528	449	171	2875

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, May 1939.

TOWNS.	Birth- Rate (living child- ren) per 1000 of Population.	Illegiti- mate Birth- Rate (living child- ren) per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	22.0	6.3	6.2	14.6	13.3	0.3	1.2	0.9	1.4	147	80
EDINBURGH, . .	17.9	6.2	5.2	15.3	13.1	0.5	0.8	0.7	1.4	34	54
DUNDEE, . . .	17.8	6.3	3.4	16.2	15.6	0.1	0.7	0.5	1.1	21	85
ABERDEEN, . . .	19.0	6.6	6.3	13.3	11.7	0.5	0.3	0.5	1.0	14	56
PAISLEY, . . .	21.3	5.4	2.2	12.3	11.2	0.1	0.8	0.6	1.0	13	89
GREENOCK, . . .	23.1	6.3	2.2	12.3	11.7	0.3	0.7	0.4	0.9	10	71
MOTHERWELL AND WISHAW, . .	20.6	3.4	4.0	9.0	12.3	..	0.5	0.3	1.6	11	100
CLYDEBANK, . . .	21.3	7.9	2.5	7.6	11.5	0.2	0.5	0.5	2.0	4	54
KIRKCALDY, . . .	19.1	5.4	4.9	11.1	11.6	0.3	0.3	0.5	0.3	5	85
COATBRIDGE, . .	22.6	2.3	3.6	14.0	15.6	1.0	2.1	1.3	0.8	13	143
KILMARNOCK, . .	14.9	3.9	3.2	16.6	13.7	0.6	0.6	0.6	1.2	4	63
HAMILTON, . . .	25.7	3.1	4.5	8.4	11.6	..	0.6	0.6	1.5	2	26
AYR, . . .	17.2	5.0	3.4	19.5	15.2	0.3	0.3	0.3	2.3	6	111
FALKIRK, . . .	16.2	7.5	6.1	15.9	11.6	0.6	0.9	0.6	0.3	3	56
DUNFERMLINE, . .	24.3	6.5	5.7	15.5	12.3	..	1.3	1.3	0.6	3	64
PERTH, . . .	16.2	12.0	7.1	19.7	14.9	0.3	0.3	0.3	..	7	140
TOTAL . . . (SIXTEEN TOWNS)	20.4	6.2	5.3	14.4	13.1	0.3	1.0	0.7	1.3	297	75

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for May 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children) per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAY 1939, .	20.4	6.2	5.3	13.1	1	1	2	19	32	9	2	10	75	51°·7
MAY 1938, .	20.5	5.5	4.8	13.4	1	63	1	6	27	20	3	13	78	49°·1
MAY 1937, .	19.8	5.2	4.9	12.2	1	6	8	55	16	6	11	6	83	52°·1
MAY 1936, .	19.6	6.2	3.1	13.1	5	131	2	14	10	10	8	18	88	50°·8
MAY 1935, .	20.3	5.5	3.6	13.3	3	3	8	41	22	26	6	12	82	48°·8
MAY 1934, .	19.4	6.2	3.7	14.1	0	251	16	35	33	9	14	15	95	50°·4
MAY 1933, .	20.2	5.9	4.6	12.9	1	2	10	66	14	25	15	15	86	51°·1
MAY 1932, .	20.4	6.1	4.2	13.4	0	63	10	23	9	35	13	13	83	49°·3
MAY 1931, .	20.4	7.4	3.2	12.5	0	21	11	67	17	25	19	15	87	50°·7
MAY 1930, .	22.0	6.5	3.2	14.1	0	82	7	64	22	27	21	19	91	49°·6
MAY 1929, .	21.6	7.5	3.4	13.7	1	1	4	51	22	12	20	16	94	50°·5

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1939.

ntern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													85 & over
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-			
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
4	Measles -	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	2	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	
6	Whooping-cough -	19	12	13	6	-	-	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	32	15	17	1	20	11	-	-	-	-	-	-	-	-	-	-	
8	Influenza -	9	2	7	-	-	-	-	-	1	1	1	2	3	1	-	-	
14 (1)	Cerebro-spinal Fever -	2	1	1	-	1	-	-	-	-	-	1	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	10	6	4	-	1	-	-	1	2	-	1	-	4	1	-	-	
10	Tuberculosis of Respiratory System -	162	83	79	-	3	2	2	52	40	23	21	18	1	-	-	-	
11	Other Tuberculous Diseases -	53	19	34	-	15	8	6	13	4	3	2	1	-	1	-	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	10	6	4	2	1	-	1	1	-	-	1	1	2	1	-	-	
15	Cancer, Malignant Disease -	412	197	215	-	-	-	-	-	12	23	56	131	118	64	8	-	
13	Diabetes Mellitus -	29	8	21	-	-	-	-	-	-	2	2	6	6	13	-	-	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	60	26	34	3	3	3	-	2	3	8	4	11	17	6	-	-	
22	Cerebral Hæmorrhage, &c. -	250	120	130	1	-	-	-	1	1	6	14	47	93	77	10	-	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	61	33	28	17	3	-	-	6	4	1	11	5	10	3	1	-	
24	Heart Disease -	669	327	342	-	1	3	4	10	13	27	48	121	230	165	47	-	
25	Other Circulatory Diseases -	57	32	25	-	-	-	-	-	-	1	1	9	13	28	5	-	
26	Bronchitis -	92	50	42	6	1	-	-	-	2	2	5	16	26	29	5	-	
27	Pneumonia (all forms) -	146	86	60	49	15	1	1	1	6	11	15	16	15	14	2	-	
28	Other Respiratory Diseases -	42	18	24	1	2	-	-	-	4	3	5	11	14	2	-	-	
32 (1)	Gastric and Duodenal Ulcer -	25	19	6	-	-	-	-	1	1	5	4	7	2	-	-	-	
29	Diarrhœa, &c. (all ages) -	49	23	26	33	3	-	-	-	1	2	1	3	3	3	-	-	
30	Appendicitis -	15	7	8	1	-	3	1	6	-	1	1	-	2	-	-	-	
31 (1)	Cirrhosis of Liver -	8	5	3	-	-	-	-	-	-	1	3	2	1	1	-	-	
31 (2)	Other Diseases of Liver, &c. -	13	4	9	-	-	-	-	-	1	2	-	5	4	-	1	-	
32 (2)	Other Digestive Diseases -	58	30	28	7	5	-	1	1	1	1	5	14	9	11	3	-	
33	Acute and Chronic Nephritis -	74	36	38	-	1	-	-	3	1	5	11	22	14	15	2	-	
34	Other Dis. of Genito-Urinary System -	46	36	10	-	-	1	-	-	1	2	-	5	11	8	14	4	
35	Puerperal Sepsis -	6	-	6	-	-	-	-	-	1	3	2	-	-	-	-	-	
36	Other Puerperal Causes -	16	-	16	-	-	-	-	-	1	8	7	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	17	8	9	2	1	-	-	-	2	3	-	1	4	1	2	1	
38	Congen. Debil., Prem. Birth, Malform., &c. -	155	95	60	152	1	1	1	-	-	-	-	-	-	-	-	-	
39	Old Age -	84	36	48	-	-	-	-	-	-	-	-	1	12	42	29	-	
40	Suicide -	25	17	8	-	-	-	-	-	-	5	5	6	6	2	1	-	
42	Other Violence (41) -	119	68	51	9	14	9	6	10	13	6	12	10	10	14	6	-	
43	Causes ill-defined or Unknown -	46	30	16	-	-	-	-	-	1	1	2	4	15	8	-	-	
	ALL CAUSES -	2375	1453	1422	297	99	43	23	114	128	152	239	487	637	530	126	-	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	1	...	...	...	...	...	...
4	Measles	1	...	...	...	...	...	...	...	1
5	Scarlet Fever	2	...	1	...	...	...	...	...	...
6	Whooping-cough	19	7	6	...	...	...	1	...	...
7	Diphtheria	32	19	6	1	4	1	...	...	...
8	Influenza	9	3	2	...	3	...	...	...	...
14 (1)	Cerebro-spinal Fever	2	2	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	10	2	3	1	...	...	1	...	...
10	Tuberculosis of Respiratory System ...	162	87	27	7	8	5	3	2	2
11	Other Tuberculous Diseases	53	32	6	4	4	1	2	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	2	3	...	...	...	...	2	1
15	Cancer, Malignant Disease	412	169	86	44	21	11	14	8	3
18	Diabetes Mellitus	29	12	4	1	4	...	1	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	60	17	15	11	1	2	5	1	1
22	Cerebral Hæmorrhage, &c.	250	102	51	18	19	10	7	6	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	61	33	6	2	4	3	4	...	2
24	Heart Disease	669	288	123	74	36	23	11	19	9
25	Other Circulatory Diseases	57	23	21	2	8	1	1	...	...
26	Bronchitis	92	48	17	6	4	...	3	8	1
27	Pneumonia (all forms)	146	75	24	7	8	8	3	...	7
28	Other Respiratory Diseases	42	13	16	4	3	...	...	1	...
32 (1)	Gastric and Duodenal Ulcer	25	9	4	1	3	1	1	1	1
29	Diarrhoea, &c. (all Ages)	49	25	8	1	2	3	1	3	2
30	Appendicitis	15	5	...	2	1	...	2	1	...
31 (1)	Cirrhosis of Liver	8	4	1	1	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	13	5	1	1	2	...	1	...	1
32 (2)	Other Digestive Diseases	58	23	11	5	3	2	4	2	1
33	Acute and Chronic Nephritis	74	38	11	3	6	2	2	3	2
34	Oth. Diseases of Genito-Urinary System	46	17	5	3	7	1	3	3	...
35	Puerperal Sepsis	6	4	...	1	...	...	...	...	...
36	Other Puerperal Causes	16	8	4	...	1	...	1	...	...
37	Dis. of Skin, and of Locomotor System	17	5	4	1	...	...	...	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	155	74	15	13	10	6	4	5	2
39	Old Age	84	40	9	10	6	2	1	1	1
40	Suicide	25	7	7	3	...	2	...	3	...
42	Other Violence (41)	119	53	23	9	8	3	2	3	2
43	Causes Ill-defined or Unknown	46	27	5	...	2	...	3	...	2
	All Causes	2875	1278	526	236	179	87	81	74	47
	AGE AT DEATH.									
	Under 1	297	147	34	21	14	13	10	11	4
	1-4	99	47	21	4	3	3	3	2	5
	5-9	43	21	6	1	5	2	2	...	...
	10-14	23	11	3	1	1	2	2	1	...
	15-24	114	61	17	11	1	4	1	1	3
	25-34	128	60	26	7	10	3	6	2	1
	35-44	152	80	19	8	8	5	3	4	5
	45-54	239	118	41	15	15	6	4	6	3
	55-64	487	224	77	45	20	13	15	11	8
	65-74	637	260	125	62	48	21	17	18	12
	75-84	530	209	117	52	44	14	16	15	5
	85 and over	126	40	40	9	10	1	2	3	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2875	1278	526	236	179	87	81	74	47

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	1	...	...	...
6	Whooping-cough	1	3	1	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	1	...	...
8	Influenza ... ..	...	1	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ... ..	...	...	1	...	...	1	...	1
10	Tuberculosis of Respiratory System	2	7	2	2	1	2	4	1
11	Other Tuberculous Diseases	1	1	...	...	...	1	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	1	1	...	...	...	...	...	...
15	Cancer, Malignant Disease	9	9	9	4	5	8	4	8
18	Diabetes Mellitus ... ..	...	1	...	1	1	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	2	...	3	...	1	1	...	...
22	Cerebral Hæmorrhage, &c.	3	5	5	5	5	2	1	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	...	2	...	2	1	1	...
24	Heart Disease	11	11	6	12	13	9	14	8
25	Other Circulatory Diseases ... ..	...	...	...	...	...	...	...	1
26	Bronchitis ... ..	...	...	...	1	2	1	1	...
27	Pneumonia (all forms)	1	2	3	3	4	...	1	...
28	Other Respiratory Diseases ... ..	...	1	1	1	2	...	...	...
32 (1)	Gastric and Duodenal Ulcer	1	...	1	...	2	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	1	1	...	...	...	2
30	Appendicitis	1	1	1	...	...	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	1	...	...	...	...	...
32 (2)	Other Digestive Diseases	2	...	...	1	2	1	1	...
33	Acute and Chronic Nephritis	2	1	1	...	...	1	1	1
34	Oth. Diseases of Genito-Urinary System	...	1	...	...	1	1	1	3
35	Puerperal Sepsis ... ..	...	1	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	1	1	...	...
37	Dis. of Skin, and of Locomotor System	1	1	...	...	...	...	3	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	8	3	1	4	2	2	4
39	Old Age	2	1	...	1	3	1	2	4
40	Suicide	1	...	...	1	...	...	...	1
42	Other Violence (41)	1	2	4	3	2	2	1	1
43	Causes Ill-defined or Unknown ... ..	...	1	...	2	1	1	1	1
	All Causes	45	60	47	39	53	38	39	46
	AGE AT DEATH.								
	Under 1	5	13	4	2	6	3	3	7
	1- 4 ... ..	...	2	4	3	2	...	...	...
	5- 9 ... ..	...	3	1	...	1	1	...	...
	10-14 ... ..	...	...	...	1	...	1	...	...
	15-24	1	8	1	1	...	2	1	1
	25-34 ... ..	...	1	2	...	5	3	2	...
	35-44	2	1	2	6	2	3	3	1
	45-54	4	4	5	2	5	2	4	5
	55-64	13	12	10	8	7	4	9	11
	65-74	9	10	13	10	9	13	4	6
	75-84	7	5	4	5	11	4	11	11
	85 and over	4	1	1	1	5	2	2	4
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	45	60	47	39	53	38	39	46

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of May 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.	
		Mean of		Absolute Maximum and Minimum.		Mean of		Difference from Average.		Total Fall.		Hours per Day.	
		Maximum (A.)	Minimum (B.)	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Daily Mean.	Difference from Average.
		° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	inch.	inch.	Per Cent. of Possible.
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1019.5	30.106	60.2	43.1	51.7	+2.1	74	30th	3rd	5.37	+0.15	33
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1019.9	30.118	57.7	45.1	51.4	+2.5	76	30th	3rd	5.77	+0.51	36
DUNDEE, The Director of Studies, Training College.	147	1019.8	30.115	58.8	41.4	50.1	+1.0	78	30th	3, 4	5.28	-0.04	32
ABERDEEN, The Meteorological Office.	79	1019.5	30.106	54.9	44.5	49.7	+1.7	71	30th	20th	5.17	-0.82	31
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1019.9	30.118	61.3	48.1	53.2	+1.7	75	29, 30	3rd	5.67	+0.43	35
GREENOCK, J. C. MACALISTER, M.Inst. C. E., Greenock Waterworks.	199	1019.8	30.115	60.0	45.4	52.7	+2.4	74	20th	3rd	6.93	..	41
KIRKCALDY, The Medical Officer of Health.	137	..	..	59.2	45.3	52.3	+2.2	76	30th	3rd	5.97	..	37
KILMARNOCK, W. DUNBAR, C. E.	132	..	..	61.5	43.9	52.2	+1.1	78	31st	3rd	6.80	+1.05	42
AYR, The Medical Officer of Health.	43	..	..	58.3	43.8	51.1	..	76	31st	3rd	6.64	..	41
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	58.8	44.9	51.9	..	74	30th	3rd	6.05	..	37
PERTH, J. RITCHIE, The Museum.	76	1019.9	30.118	61.3	42.5	51.9	+1.6	77	30th	3rd	5.40	-0.10	33
Means	147	1019.8	30.114	59.3	44.0	51.7	+1.3	..	..	..	5.89	+0.24	36

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 53'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.
† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/25. 500. 6/89. J.S. & Co. LTD. Group 157 (1933).

S.O. Code No. 49-9999.

MONTHLY RETURN
OF THE REGISTRAR-GENERAL
Scotland
BIRTHS, DEATHS AND
MARRIAGES

Registered in sixteen of the Principal Towns

June, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of June 1939 the births (corrected for transfer to place of usual residence) of 4,224 living children, of whom 2,154 were males and 2,070 were females, and of 179 still-born children. Compared with the number in the previous month the living births were 241 fewer, male births being 130 fewer and female births 111 fewer. The monthly birth-rate in these towns taken collectively was 20·0 per thousand. It is the highest rate recorded in these towns for the month of June since 1932. This rate is 0·4 less than that for the previous month, but is 0·5 above the five years' average. The births of still-born children correspond to a rate of 41 per thousand total births registered (including still-born) as compared with 45 in the previous month.

In the individual towns the monthly birth-rate ranged from 25·3 in Coatbridge, 23·1 in Hamilton and 22·5 in Greenock, to 17·1 in Paisley, 17·0 in Dundee and in Dunfermline and 14·9 in Falkirk. In Glasgow and in Kilmarnock it was 21·7, in Perth 20·7, in Clydebank 19·5, in Aberdeen 19·1, in Kirkealdy 18·7, in Motherwell and Wishaw and in Ayr 18·6, and in Edinburgh 17·5.

Of the 4,224 living children whose births were registered during the month 4,001 or 94·7 per cent. were legitimate, while 223 or 5·3 per cent. were illegitimate. The legitimate children numbered 188 fewer than in the previous month and the illegitimate children 53 fewer. The illegitimate percentage for the month is 0·9 below that for the previous month. In the individual towns it ranged from 6·7 in Aberdeen, 6·6 in Greenock and 6·0 in Glasgow, to 2·1 in Falkirk, 1·6 in Perth and 1·3 in Clydebank. In Edinburgh the rate was 4·3.

Marriages.—Marriages registered during the month numbered 2,690 and are 539 more than in the previous month. The marriage-rate, 12·7 per thousand, is 7·4 above that for the previous month and 0·6 above the average. In the individual towns it ranged from 16·0 in Greenock, 14·2 in Aberdeen and in Kilmarnock and 13·7 in Glasgow, to 8·1 in Motherwell and Wishaw, 7·6 in Clydebank and 7·0 in

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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EDINBURGH

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Coatbridge. In Edinburgh the rate was 12.9. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,326, of which 1,229 were of males and 1,097 were of females. This number is 549 fewer than in the previous month, males being 224 fewer and females 325 fewer.

The monthly death-rate in these towns taken collectively was 11.0 per thousand, being 2.1 below that for the previous month and 1.0 below the average. It is the lowest rate ever recorded in these towns for the month of June. In the towns taken individually the death-rate ranged from 13.0 in Hamilton, 12.4 in Perth and 11.5 in Dundee, to 9.6 in Paisley, 7.8 in Dunfermline and 7.5 in Kilmarnock. In Glasgow the rate was 11.4, in Edinburgh and in Motherwell and Wishaw 11.3, in Ayr 11.0, in Kirkcaldy 10.9, in Falkirk 10.1, in Aberdeen 10.0, in Clydebank 9.9, and in Greenock and in Coatbridge 9.7.

Deaths of children aged less than one year numbered 244 and equalled an infantile mortality rate of 64 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. It is the lowest rate ever recorded in these towns for the month of June. These deaths are 53 fewer than in the previous month, while the rate is 11 less than in that month and 11 below the average. In the individual towns this rate ranged from 95 in Motherwell and Wishaw, 82 in Aberdeen and 81 in Greenock, to 21 in Dunfermline, 16 in Kilmarnock and 0 in Hamilton. In Falkirk the rate was 75, in Glasgow and in Clydebank 70, in Dundee 59, in Edinburgh 58, in Ayr 57, in Paisley 50, in Perth 40, in Kirkcaldy 36 and in Coatbridge 34.

Causes of Death.—Deaths from the principal epidemic diseases numbered 60 and equalled a death-rate of 0.3 per thousand. These deaths are 16 fewer than in the previous month but the rate is the same. They include none from typhoid fever, none from measles, 4 from scarlet fever, 25 from whooping-cough, 9 from diphtheria, 8 from influenza, 1 from cerebro-spinal fever, and 13 from other epidemic diseases, 6 of which were ascribed to lethargic encephalitis, 5 to erysipelas and 2 to dysentery. Compared with the number in the previous month deaths from scarlet fever are 2 more, from whooping-cough 6 more, from diphtheria 23 fewer, from influenza 1 fewer, from cerebro-spinal fever 1 fewer and from other epidemic diseases 3 more. In the previous month 1 death was registered from typhoid fever and 1 from measles.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 206 and equalled a death-rate of 1.0 per thousand. This is the lowest death-rate from these diseases hitherto recorded in these towns for the month of June. Compared with the number in the previous month these deaths are 74 fewer, while the rate is 0.3 less and is 0.2 below the average.

Deaths from all forms of tuberculosis numbered 188, of which 135 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 27 fewer and those from respiratory tuberculosis are also 27 fewer. Compared with the average the former are 4 fewer and the latter 12 fewer.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

JUNE, 1939.

Mean barometric pressure, 30.005 ins.; greater than the average* by 0.007 in.

Mean temperature, 57.0° F.; greater by 2.0° F.

Mean daily range of temperature, 18.0° F.; greater by 2.7° F.

Mean daily sunshine, 8.00 hours; greater by 1.72 hours.

Rain, depth in inches, 1.59; less by 0.51 inches.

Wind, direction of: a four days' excess of northerly and north-west winds.

The anticyclonic conditions of late May continued into June. During the first

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

week brilliant weather was experienced over the whole of Scotland. Record high temperatures occurred and an absolute drought was established in many places. North-westerly winds associated with an anticyclone off the west of Ireland brought a considerable fall in temperature on the 7th. A depression near Iceland on the 9th moved eastwards to Scandinavia and caused rain in most districts. A rather unsettled and rainy period followed though sunshine values were good locally. By the 21st pressure became unusually high to the north-west and low to the south of Great Britain, with cool, squally winds from a northerly point persisting for a few days. A depression from the Atlantic appeared off the north-west of Ireland on the 28th and, moving on a north-easterly course, brought rain to all districts. The month ended with a changeable westerly type. The extremes of pressure in Edinburgh were 30.54 inches on the 1st and 29.46 inches on the 28th.

For the fifth month in succession mean temperatures were above normal. This was mainly due to the excessive warmth of the first week. Scotland had the highest maxima on record for June from 3rd to 6th, temperatures of 80° to 85° F. being common. Extreme values reported were 88° F. at Glasgow on the 4th, 87° F. at Edinburgh (Liberton) on the 5th and 86° F. at Perth on the 4th. Radiation was very marked during the warm spell, the daily range of temperature exceeding 40° F. in many cases. Dalwhinnie had three such days in succession. The coldest weather occurred in the early morning of the 2nd and on the 12th and 13th. The lowest screen temperatures reported were 30° F. at West Linton on the 2nd and at Dalwhinnie on the 13th, and 31° F. at Wolfelee on the 2nd. Ground frosts occurred locally on 11 nights, the lowest readings being 24° F. at West Linton on the 2nd and at Dalwhinnie on the 13th; 25° F. was registered on the ground at Balmoral on the 13th and 26° F. at Auchincruive (Ayrshire) on the 2nd.

Sunshine was abundant almost everywhere, the only stations reporting even slight deficiencies being Stornoway and Fortrose. There were some remarkable daily totals, Lerwick having 16.6 hours on the 2nd and Tiree 16.3 hours on the 21st. The monthly aggregates exceeded 250 hours at many places in the west, the highest totals being 273 hours at Turnberry and 269 hours at Rothesay. These totals were the highest since June 1925 and represent excesses of 77 hours over the normal in each case. Oban had an aggregate of 266 hours or 84 hours more than the normal. The smallest aggregates reported were 163 hours at Stornoway, 164 hours at Duntuiln (Skye) and 165 hours at Strathy (Sutherland).

Rainfall was below average over the greater part of Scotland. Totals just exceeded the average in some central districts; a few places in the extreme south had about 20 per cent. more than their normal rainfall. Except in the extreme north-west no rain fell until the 9th, and this rainless spell, following upon the dry weather of late May, accounted for an absolute drought which in the east and central districts had lasted for eighteen days. Daily falls exceeding an inch were recorded locally on the 9th, 14th and 27th. The largest falls reported on these days were 1.36 in. at Kinlochquoich on the 9th, 1.65 inch at Lochwinnoch and 1.37 inch at Ardarroch (Garelochhead) on the 14th, and 1.70 inch at Kingairloch and 1.43 inch at Ardnadam (Argyll) on the 27th.

Snow fell on the Cairngorms on the 10th and 11th and again on the 24th. Drifts of this latter fall lay on Braeriach's south slope on the 27th.

Hail occurred widely on the 11th and 12th and also fell locally on the 13th, 16th and 30th.

Fog was reported in Orkney and at many places in east Scotland on the 21st and locally on the 2nd, 14th, 15th, 20th and 23rd.

Wind reached gale force on 10 days along the western seaboard, but on no occasion was the gale severe.

Thunderstorms were reported throughout the central and southern districts on the 30th. Local storms also occurred on the 7th, 11th, 16th and 28th.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 43.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, June 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		
										Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)
GLASGOW, . . .	1,093,337	1,131,600	2016	1014	1002	1896	120	88	1276	1200	656	544	178	35	1057
EDINBURGH, . .	439,010	473,200	681	347	334	652	29	26	502	534	260	274	105	12	441
DUNDEE, . . .	175,681	178,200	249	128	121	235	14	10	130	182	85	97	19	5	168
ABERDEEN, . .	169,803	179,400	232	143	134	263	19	7	210	178	95	83	37	6	147
PAISLEY, . . .	86,445	91,700	129	64	65	125	4	9	102	71	41	30	15	16	72
GREENOCK, . .	79,012	81,600	151	89	62	141	10	5	107	69	42	27	9	5	65
MOTHERWELL AND WISHAW, .	65,611	67,900	104	52	52	98	6	4	45	46	27	19	1	13	63
CLYDEBANK, . .	46,991	48,000	77	42	35	76	1	4	30	27	17	10	2	14	39
KIRKCALDY, . .	43,374	45,600	70	33	37	68	2	4	48	39	23	16	4	6	41
COATBRIDGE, . .	43,312	45,300	94	40	54	91	3	3	26	27	15	12	..	9	36
KILMARNOCK, . .	38,681	40,300	72	49	23	68	4	3	47	29	14	15	6	2	25
HAMILTON, . . .	38,112	39,500	75	36	39	71	4	4	27	32	16	16	2	12	42
AYR, . . .	38,905	41,100	63	31	32	61	2	3	43	53	25	28	20	4	37
FALKIRK, . . .	36,566	38,400	47	20	27	46	1	6	27	39	21	13	12	5	32
DUNFERMLINE, .	35,058	37,300	52	27	25	49	3	1	36	35	20	15	13	2	24
PERTH, . . .	35,051	36,400	62	34	28	61	1	2	34	53	30	23	24	3	37
TOTAL (SIXTEEN TOWNS)	2,465,449	2,575,500	4224	2154	2070	4001	223	179	2690	2619	1387	1232	447	154	2326

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, June 1939.

TOWNS.	Birth-Rate (living children) per 1000 of Population.	Illegitimate Birth-Rate (living children) per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	21.7	6.0	13.7	12.9	11.4	0.3	1.1	0.8	1.2	126	70
EDINBURGH, . .	17.5	4.3	12.9	13.7	11.3	0.3	0.8	0.5	0.7	35	58
DUNDEE, . . .	17.0	5.6	8.9	12.4	11.5	0.2	0.5	0.5	0.5	14	59
ABERDEEN, . . .	19.1	6.7	14.2	12.1	10.0	0.2	0.5	0.4	0.5	20	82
PAISLEY, . . .	17.1	3.1	13.5	9.4	9.6	0.4	1.3	0.9	0.8	7	50
GREENOCK, . . .	22.5	6.6	16.0	10.3	9.7	0.4	0.9	0.4	0.9	11	81
MOTHERWELL AND WISHAW, . .	18.6	5.8	8.1	8.2	11.3	0.4	1.4	0.5	2.3	10	95
CLYDEBANK, . .	19.5	1.3	7.6	6.8	9.9	0.3	0.8	0.3	1.3	5	70
KIRKCALDY, . .	13.7	2.9	12.8	10.4	10.9	0.5	..	..	0.8	2	36
COATBRIDGE, . .	25.3	3.2	7.0	7.3	9.7	0.3	0.8	0.5	1.1	3	34
KILMARNOCK, . .	21.7	5.6	14.2	8.7	7.5	..	0.3	0.3	0.3	1	16
HAMILTON, . . .	23.1	5.3	8.3	9.9	13.0	..	1.9	1.9	1.5	..	..
AYR, . . .	18.6	8.2	12.7	15.7	11.0	0.6	0.3	0.3	0.3	3	57
FALKIRK, . . .	14.9	2.1	8.6	12.4	10.1	0.3	1.0	1.0	0.6	4	75
DUNFERMLINE, . .	17.0	5.8	11.7	11.4	7.8	0.7	0.7	0.7	0.3	1	21
PERTH, . . .	20.7	1.6	11.4	19.4	12.4	..	..	..	1.0	2	40
TOTAL (SIXTEEN TOWNS)	20.0	5.3	12.7	12.4	11.0	0.3	0.9	0.6	1.0	244	64

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for June 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children*).	Illegitimate Birth- rate (living children) per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	†Other Epidemic Diseases.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
JUNE 1939. .	20.0	5.3	12.7	11.0	0	0	4	25	9	8	1	13	64	57° 0	
JUNE 1938. .	19.7	6.4	11.9	11.9	0	17	7	10	20	6	5	6	79	54° 8	
JUNE 1937. .	19.8	5.5	12.7	11.9	3	4	4	27	19	18	11	11	79	55° 7	
JUNE 1936. .	19.8	6.7	13.3	12.8	1	90	8	16	7	14	7	15	76	56° 5	
JUNE 1935. .	18.8	6.0	11.2	11.3	2	3	4	23	15	11	7	13	69	55° 5	
JUNE 1934. .	19.4	6.6	11.4	12.3	4	105	12	30	22	7	8	12	74	56° 6	
JUNE 1933. .	19.8	6.4	10.5	11.7	4	0	7	47	11	14	7	15	72	58° 8	
JUNE 1932. .	20.8	6.3	10.7	12.3	1	31	7	22	10	19	9	12	74	55° 7	
JUNE 1931. .	21.7	5.9	11.6	12.2	0	30	7	39	13	10	14	16	72	53° 4	
JUNE 1930. .	20.7	6.7	11.2	12.2	0	50	4	41	13	17	8	13	69	57° 1	
JUNE 1929. .	20.3	7.9	10.2	11.6	2	2	3	36	15	8	16	11	67	54° 4	

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over			
1	Typhoid Fever (including Paratyphoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever	-	4	2	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough	-	25	8	17	15	10	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria	-	9	1	8	-	5	3	1	-	-	-	-	-	-	-	-	-	-
8	Influenza	-	8	6	2	1	1	-	-	-	1	-	1	-	1	2	1	-	-
14 (1)	Cerebro-spinal Fever	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	-	13	5	8	2	1	1	-	2	1	2	-	3	-	1	-	-	-
10	Tuberculosis of Respiratory System	135	87	48	1	1	-	4	38	31	23	17	13	7	-	-	-	-	-
11	Other Tuberculous Diseases	53	22	31	2	8	9	2	18	10	1	-	2	1	-	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	7	4	3	2	-	-	-	1	-	-	1	-	2	1	-	-	-	-
15	Cancer, Malignant Disease	321	155	166	-	-	-	-	2	2	22	47	92	110	41	5	-	-	-
18	Diabetes Mellitus	-	26	11	15	-	-	-	1	-	-	3	5	14	2	1	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	59	24	35	5	3	7	2	3	9	4	5	9	6	2	4	-	-	-
22	Cerebral Hæmorrhage, &c.	246	112	134	-	1	-	1	-	-	3	20	48	96	65	12	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	46	24	22	3	3	-	-	6	9	7	5	6	6	1	-	-	-	-
24	Heart Disease	513	255	258	-	-	-	2	6	6	16	37	93	170	152	31	-	-	-
25	Other Circulatory Diseases	63	32	31	-	-	-	-	1	-	-	5	11	21	14	11	-	-	-
26	Bronchitis	73	50	23	-	-	-	-	1	-	-	4	7	15	23	21	-	-	-
27	Pneumonia (all forms)	99	62	37	32	10	-	-	4	1	3	13	12	14	9	1	-	-	-
28	Other Respiratory Diseases	34	20	14	3	-	1	-	1	3	4	3	6	5	5	3	-	-	-
32 (1)	Gastric and Duodenal Ulcer	19	18	1	-	-	-	-	-	2	2	4	8	2	1	-	-	-	-
29	Diarrhoea, &c. (all ages)	38	24	14	23	4	-	-	1	1	1	2	-	-	-	1	-	-	-
30	Appendicitis	15	8	7	-	1	3	1	2	3	-	3	1	1	-	-	-	-	-
31 (1)	Cirrhosis of Liver	10	7	3	-	-	-	-	-	-	-	1	3	1	2	-	-	-	-
31 (2)	Other Diseases of Liver, &c.	8	1	7	-	-	-	-	-	1	-	1	1	3	2	-	-	-	-
32 (2)	Other Digestive Diseases	33	14	19	1	2	-	1	-	2	2	3	8	6	7	1	-	-	-
33	Acute and Chronic Nephritis	64	31	33	-	-	1	-	5	2	5	10	17	17	6	1	-	-	-
34	Other Dis. of Genito-Urinary System	36	25	11	-	-	-	1	1	-	3	2	6	12	11	-	-	-	-
35	Puerperal Sepsis	2	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
36	Other Puerperal Causes	16	-	16	-	-	-	-	-	3	5	8	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System	13	7	6	3	-	1	-	2	1	1	1	1	1	2	-	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c.	144	86	58	141	3	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age	48	18	30	-	-	-	-	-	-	-	-	-	11	27	10	-	-	-
40	Suicide	27	18	9	-	-	-	-	-	1	4	2	7	9	4	-	-	-	-
42	Other Violence (41)	83	61	22	3	5	4	5	6	9	12	7	11	12	8	1	-	-	-
43	Causes Ill-defined or Unknown	35	30	5	-	1	1	-	1	1	2	6	4	15	4	-	-	-	-
	ALL CAUSES	2326	1229	1097	244	62	81	22	104	106	131	210	386	560	385	85	-	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Faisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	4	2	...	1	1	...	...	...	...
6	Whooping-cough	25	8	9	...	...	1	1	1	1
7	Diphtheria	9	6	1	...	1	...	...	1	...
8	Influenza	8	5	1	...	...	1	...	...	...
14 (1)	Cerebro-spinal Fever	1	...	...	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	13	5	...	2	1	...	2	...	...
10	Tuberculosis of Respiratory System ...	135	71	21	6	6	7	3	3	1
11	Other Tuberculous Diseases	53	28	9	...	2	3	3	5	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	7	2	3	1	...	1	...	...	...
15	Cancer, Malignant Disease	321	139	65	23	23	13	5	6	8
18	Diabetes Mellitus	26	11	4	2	2	...	...	...	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	59	27	12	4	4	1	3	1	1
22	Cerebral Hæmorrhage, &c.	246	109	46	16	22	3	3	7	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	46	22	9	4	2	...	1	5	...
24	Heart Disease	513	219	117	44	29	11	9	9	5
25	Other Circulatory Diseases	63	26	12	7	5	3	4	2	1
26	Bronchitis	73	37	5	6	2	2	2	8	1
27	Pneumonia (all forms)	99	59	18	...	6	3	3	4	3
28	Other Respiratory Diseases	34	16	6	1	...	1	1	1	1
32 (1)	Gastric and Duodenal Ulcer	19	4	4	5	1	...	1	1	...
29	Diarrhœa, &c. (all Ages)	38	21	1	6	1	4	...	1	1
30	Appendicitis	15	6	2	...	1	...	1	...	2
31 (1)	Cirrhosis of Liver	10	4	1	...	1	...	1	...	...
31 (2)	Other Diseases of Liver, &c.	8	4	2	...	2	...	...	...	...
32 (2)	Other Digestive Diseases	33	16	10	1	2	...	...	...	...
33	Acute and Chronic Nephritis	64	24	10	7	4	3	3	1	1
34	Oth. Diseases of Genito-Urinary System	36	12	11	3	3	...	1	...	...
35	Puerperal Sepsis	2	1	...	...	...	...	...	...	...
36	Other Puerperal Causes	16	7	...	3	1	3	...	...	...
37	Dis. of Skin, and of Locomotor System	13	10	...	1	2	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	144	68	24	9	15	1	9	5	2
39	Old Age	48	24	6	6	2	2	1	...	...
40	Suicide	27	5	8	5	...	1	...	1	...
42	Other Violence (41)	83	35	19	2	6	6	4	...	3
43	Causes Ill-defined or Unknown	35	24	5	1	...	1	...	1	...
	All Causes	2326	1057	441	168	147	72	65	63	39
	AGE AT DEATH.									
	Under 1	244	126	35	14	20	7	11	10	5
	1-4	62	34	9	4	3	2	3	1	1
	5-9	31	14	6	1	3	1	1	2	...
	10-14	22	8	4	2	1	1	2	...	2
	15-24	104	53	14	4	7	5	5	5	3
	25-34	106	49	15	8	5	3	3	5	2
	35-44	131	68	16	9	8	5	4	2	2
	45-54	210	93	42	18	13	9	5	7	2
	55-64	386	162	74	27	25	10	10	11	8
	65-74	560	253	113	38	38	13	7	11	11
	75-84	385	161	95	33	22	12	8	8	2
	85 and over	85	36	18	10	2	4	6	1	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2326	1057	441	168	147	72	65	63	39

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid) ...	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough	1	1	...	...	1	1	...	...
7	Diphtheria ... ..	...	...	...	...	...	...	...	...
8	Influenza	1	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	...	...	...	1	...	2	...
10	Tuberculosis of Respiratory System ...	...	2	1	6	1	3	2	...
11	Other Tuberculous Diseases ... ..	...	1	...	...	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	5	2	4	5	8	6	1	4
18	Diabetes Mellitus ... ..	...	...	2	...	1	1	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	...	...	2	...	...	1	2
22	Cerebral Hemorrhage, &c.	6	2	2	5	9	3	2	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	...	1	...	...	1	...
24	Heart Disease	12	9	6	8	4	10	11	10
25	Other Circulatory Diseases	1	...	1	...	1	...	...	...
26	Bronchitis	2	3	1	2	...	...	...	2
27	Pneumonia (all forms)	1	...	...	1	...	1	...	...
28	Other Respiratory Diseases ... ..	...	1	...	2	1	1	1	1
32 (1)	Gastric and Duodenal Ulcer	1	1	...	...	1	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	2	...	...	...	1	...	...
30	Appendicitis ... ..	...	...	...	2	...	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	1	1	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	1	...	1	1	1	...	...
33	Acute and Chronic Nephritis	2	1	2	2	1	...	1	2
34	Oth. Diseases of Genito-Urinary System	...	3	1	...	1	1	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	1	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	1	...	...	...	1
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	2	1	...	2	1	1	2
39	Old Age	4	...	...	1	...	...	...	2
40	Suicide	2	1	2	1	...	...	...	1
42	Other Violence (41) ... ..	...	2	...	1	2	2	...	1
43	Causes Ill-defined or Unknown ... ..	...	...	1	1	...	...	1	...
All Causes ...		41	36	25	42	37	32	24	37
AGE AT DEATH.									
Under 1	...	2	3	1	...	3	4	1	2
1-4	...	1	2	...	...	1	...	1	...
5-9	...	1	...	...	1	...	...	...	1
10-14	...	...	...	...	1	...	1	...	...
15-24	...	1	3	...	1	...	1	2	...
25-34	...	...	1	2	5	4	...	2	2
35-44	...	1	5	...	6	...	2	1	2
45-54	...	1	4	3	3	4	3	1	2
55-64	...	9	6	6	7	10	8	3	10
65-74	...	17	6	7	13	10	8	7	8
75-84	...	6	6	5	4	5	5	4	9
85 and over	...	2	...	1	1	...	...	2	1
Not stated	...	...	...	...	...	...	...	...	...
All-Ages ...		41	36	25	42	37	32	24	37

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of June 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Mean of		Difference from Average.		Absolute Maximum and Minimum.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Total Fall.	Difference from Average.	Number of Days.	Hours per Day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
																Maximum (A.)	Minimum (B.)	Day of Month.	Day of Month.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 8'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 8° 11'; Dundee, 2° 55'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 19h.
† As from January, 1933, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/25. 500. 7/89. J.S. & Co. LTD. Group 157 (1933).

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MONTHLY RETURN
OF THE REGISTRAR-GENERAL
Scotland
BIRTHS, DEATHS AND
MARRIAGES

Registered in sixteen of the Principal Towns

July, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of July 1939 the births (corrected for transfer to place of usual residence) of 4,004 living children, of whom 2,045 were males and 1,959 were females, and of 178 still-born children. Compared with the number in the previous month the living births were 220 fewer, male births being 109 fewer and female births 111 fewer. The monthly birth-rate in these towns taken collectively was 18·3 per thousand. This rate is 1·7 less than that for the previous month and is 0·3 below the five years' average. The births of still-born children correspond to a rate of 43 per thousand total births registered (including still-born). This rate is 2 more than that for the previous month.

In the individual towns the monthly birth-rate ranged from 22·4 in Coatbridge, 22·1 in Hamilton and 21·1 in Kirkealdy and in Dunfermline, to 14·8 in Dundee, 13·2 in Falkirk and 11·3 in Perth. In Motherwell and Wishaw the rate was 19·9, in Glasgow and in Greenock 19·8, in Paisley 18·7, in Clydebank 16·7, in Edinburgh 16·5, in Kilmarnock and in Ayr 16·3 and in Aberdeen 16·0.

Of the 4,004 living children whose births were registered during the month, 3,772 or 94·2 per cent. were legitimate, while 232 or 5·8 per cent. were illegitimate. The legitimate children numbered 229 fewer than in the previous month but the illegitimate children 9 more. The illegitimate percentage for the month is 0·5 above that for the previous month. In the individual towns it ranged from 8·2 in Aberdeen, 8·1 in Hamilton and 6·3 in Dundee, to 2·3 in Falkirk, 1·5 in Greenock and 1·2 in Coatbridge. In Glasgow the rate was 6·2 and in Edinburgh 5·9.

Marriages.—Marriages registered during the month numbered 3,660 and are 970 more than the previous month. The marriage-rate, 16·7 per thousand, is 4·0 above that for the previous month and 2·0 above the average. In the individual towns it ranged from 19·6 in Kilmarnock, 18·6 in Dunfermline and 18·2 in Glasgow, to 11·8 in Motherwell and Wishaw, 8·3 in Ayr and 6·5 in Greenock. In Edinburgh the rate was 18·0. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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EDINBURGH

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Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,333, of which 1,231 were of males and 1,102 were of females. This number is 7 more than in the previous month, males being 2 more and females 5 more.

The monthly death-rate in these towns taken collectively was 10·7 per thousand, being 0·3 below that for the previous month and 0·4 below the average. In the towns taken individually the death-rate ranged from 12·3 in Greenock, 12·0 in Ayr and 11·0 in Hamilton, to 9·1 in Perth, 7·9 in Dunfermline and 7·3 in Kilmarnock. In Edinburgh, in Paisley and in Coatbridge it was 10·9, in Glasgow and in Aberdeen 10·8, in Dundee 10·6, in Clydebank 10·1, in Falkirk 9·8, in Motherwell and Wishaw 9·7 and in Kirkcaldy 9·4.

Deaths of children aged less than one year numbered 264 and equalled an infantile mortality rate of 67 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 20 more than in the previous month, while the rate is 3 more than in that month and 2 above the average. In the individual towns this rate ranged from 127 in Ayr, 99 in Greenock and 96 in Paisley, to 40 in Perth, 39 in Dunfermline and 0 in Falkirk. In Dundee it was 91, in Clydebank 83, in Motherwell and Wishaw and in Kirkcaldy 82, in Kilmarnock 79, in Hamilton 68, in Coatbridge 66, in Glasgow 65, in Aberdeen 56 and in Edinburgh 51.

Causes of Death.—Deaths from the principal epidemic diseases numbered 43, and equalled a death-rate of 0·2 per thousand. These deaths are 17 fewer than in the previous month and the rate is 0·1 less. They include none from typhoid fever, 1 from measles, 3 from scarlet fever, 10 from whooping-cough, 18 from diphtheria, 3 from influenza, 1 from cerebro-spinal fever, and 7 from other epidemic diseases, 4 of which were ascribed to dysentery, 2 to lethargic encephalitis and 1 to erysipelas. Compared with the number in the previous month deaths from measles are 1 more, from scarlet fever 1 fewer, from whooping-cough 15 fewer, from diphtheria 9 more, from influenza 5 fewer, from cerebro-spinal fever the same, and from other epidemic diseases 6 fewer.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 185 and equalled a death-rate of 0·8 per thousand. Compared with the number in the previous month these deaths are 21 fewer, while the rate is 0·2 less and is 0·3 below the average.

Deaths from all forms of tuberculosis numbered 161, of which 114 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 27 fewer and those from respiratory tuberculosis 21 fewer. Compared with the average the former are 8 fewer and the latter 7 fewer.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

JULY 1939.

Mean barometric pressure, 29·751 ins.; less than the average* by 0·178 in.

Mean temperature, 57·9° F.; less by 0·6° F.

Mean daily range of temperature, 13·1° F.; less by 1·2° F.

Mean daily sunshine, 3·91 hours; less by 1·27 hours.

Rain, depth in inches, 4·31; greater by 1·38 inches.

Wind, direction of; a four days' excess of south-westerly winds.

The principle features of the weather of July were the excessive rainfall, the marked deficiency of sunshine and the thunderstorms of the third week.

A succession of low pressure systems in the neighbourhood of the British Isles resulted in cloudy, wet weather with average or rather low temperatures during the month. An anticyclone to the west and south-west brought a short spell of fair weather on the 10th, when more than 15 hours' sunshine were registered at some Scottish stations. The day was, however, dull and almost

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

sunless in the extreme west and north-west. A depression which appeared on the north-east Atlantic on the 12th moved slowly in an east-south-east direction across the British Isles and caused unsettled weather with much rain or drizzle for several days. Mainly unsettled weather continued, and thunderstorms occurred in many places from the 15th to 19th. A prolonged spell of exceptionally dull weather in the north-west came to an end on the 18th. In 14 days, July 5th to 18th, Duntuilin (Skye) registered only 2·3 hours' sunshine. On the 19th the same station had 12·8 hours, while Tiree had 12·7 hours and Stornoway 10·7 hours' sunshine. Changeable conditions persisted to the end of the month, mainly dull and showery weather being relieved by brief fair intervals.

Mean temperatures were slightly below normal almost everywhere. Not since January had the monthly mean for the country as a whole been below normal. In most districts the warmest days were the 4th, 20th and 21st. The 5th was also warm in the north of Scotland and the 29th along the east coast. The highest shade temperature, 76° F., was reported in Edinburgh on the 4th, at Kilmarnock on the 20th and at Ruthwell on the 21st. Fort William, Onich and Benmore all had maxima of 74° F. on the 20th. The coldest nights were the 24th and 25th, when temperatures in the screen fell to about 40° F. in all districts. The lowest readings reported were 32° F. at West Linton on the 24th, and 33° F. at Braemar and Wolfelee on the 24th and at Dalwhinnie on the 25th. Slight ground frosts were registered at some high level stations on the 1st, 11th, 19th, 24th and 25th. The lowest temperatures recorded by thermometers exposed on the ground were 26° F. on the 11th and 28° F. on the 19th, both at Dalwhinnie.

Sunshine totals were low in all districts. At many places in the north and west the aggregates did not reach half the normal figures. Dunbar had the largest aggregate with 165 hours, followed by Lundin Links with 151 hours and Ruthwell with 148 hours. Stornoway had only 57 hours' sunshine or 88 hours less than normal. Other small aggregates were 65 hours at Deerness (Orkney), 69 hours at Banff, and 70 hours at Gordon Castle and Fort Augustus.

The month was a very wet one in most districts. More than double the average rainfall occurred in central Scotland in an area embracing the Moray Firth and extending to the west coast and also in Orkney. The only places with even slightly less than the average fall were Edinburgh and an area around New Cumnock (Ayrshire). The wettest day was the 12th, when more than an inch of rain fell generally in Scotland. Over a considerable area in the west the measurements exceeded two inches on this day. The largest falls reported were 3·50 inches at Ardgour, 3·48 inches at Kinlochmoidart and 3·33 inches at Kinloch-quoch. Other heavy daily falls were 2·87 inches at Ratagan (Glenshiel) on the 11th; 3·22 inches at Troon and 1·66 inches at Prestwick on the 15th; 2·30 inches at Inveraray and 2·19 inches at Eskdalemuir on the 28th, and 1·80 inches at Drum Castle (Aberdeenshire) on the 31st.

Snow was reported on the high Cairngorms on the 1st and on Ben Nevis on the 23rd, a rare occurrence in July.

Hail was reported in many places on the 23rd and locally on the 1st, 2nd and 31st.

Fog of coastal type occurred in one place or other on 13 days. Lerwick and Wick experienced fog on 7 days and Edinburgh on 6 days.

Gales were infrequent and not severe. They were experienced on the western seaboard on the 2nd, 4th, 5th, 14th and 15th.

Thunder was reported on 21 days. On the 5th storms occurred in all parts of Scotland. The 14th, 15th and 19th were very disturbed days over all the southern counties. The storm of the 15th was most severe in the neighbourhood of Troon where the rainfall amounted to 3·22 inches, of which about 2 inches fell in 50 minutes. Some low parts of the town were flooded to a depth of 4 feet.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 56.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, July 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
										Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . . .	1,093,337	1,131,600	1906	930	967	1787	119	89	1751	1120	606	514	153	70	1037
EDINBURGH, . .	439,010	473,200	663	360	303	621	39	27	724	520	267	253	96	13	437
DUNDEE, . . .	175,681	178,200	224	115	109	210	14	11	264	167	72	95	14	7	160
ABERDEEN, . .	169,803	179,400	244	124	120	224	20	10	202	194	102	92	36	6	164
PAISLEY, . . .	86,445	91,700	146	75	71	183	8	5	127	94	51	43	19	10	85
GREENOCK, . .	79,012	81,600	137	81	56	135	2	5	45	85	54	31	10	10	85
MOTHERWELL AND WISHAW, .	65,611	67,900	115	65	50	110	5	8	68	42	22	20	1	15	55
CLYDEBANK, . .	46,991	48,000	63	35	33	65	3	2	70	24	9	15	1	18	41
KIRKCALDY,* . .	44,559	46,300	83	39	44	79	4	4	53	31	14	17	2	8	37
COATBRIDGE, .	43,312	45,300	86	49	37	85	1	4	51	34	24	10	2	10	42
KILMARNOCK, .	38,681	40,300	56	24	32	54	2	2	67	36	18	13	2	2	25
HAMILTON, . .	38,112	39,500	74	36	38	68	6	3	45	29	13	16	4	12	37
AYR,	38,905	41,100	57	39	18	54	3	3	29	56	29	27	17	3	42
FALKIRK, . . .	26,566	28,400	43	17	26	42	1	3	50	45	20	16	15	2	32
DUNFERMLINE, .	35,058	37,300	67	29	33	63	4	2	59	32	19	13	8	1	25
PERTH,	35,051	36,490	35	18	17	34	1	..	50	41	21	20	16	3	28
TOTAL* (SIXTEEN TOWNS)	2,466,134	2,576,200	4004	2045	1959	3772	232	178	3660	2550	1350	1200	407	190	2333

* Kirkcaldy Burgh extended.

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, July 1939.

TOWNS.	Birth- Rate (living child- ren) per 1000 of Popu- lation.	Illegiti- mate Birth- Rate (living child- ren) per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	19.8	6.2	18.2	11.7	10.8	0.2	0.7	0.5	0.9	121	65	
EDINBURGH, .	16.5	5.9	18.0	12.9	10.9	0.1	0.7	0.6	0.8	32	51	
DUNDEE, . .	14.8	6.3	17.4	11.0	10.6	0.3	0.7	0.4	0.5	22	91	
ABERDEEN, .	16.0	8.2	13.3	12.7	10.8	0.1	0.5	0.4	0.8	14	56	
PAISLEY, . .	18.7	5.5	16.3	12.1	10.9	0.4	0.9	0.6	0.9	14	96	
GREENOCK, .	19.8	1.5	6.5	12.3	12.3	..	1.2	1.0	0.9	14	99	
MOTHERWELL AND WISHAW,	19.9	4.3	11.8	7.3	9.7	..	0.7	0.2	0.7	9	82	
CLYDEBANK,	16.7	4.4	17.2	5.9	10.1	..	0.7	0.5	2.5	6	83	
KIRKCALDY, .	21.1	4.8	14.7	7.9	9.4	..	0.8	0.3	0.5	5	82	
COATBRIDGE, .	22.4	1.2	13.3	8.8	10.9	0.3	1.0	0.5	0.8	6	66	
KILMARNOCK,	16.3	3.6	19.6	10.5	7.3	0.9	..	..	1.2	5	79
HAMILTON, . .	22.1	8.1	13.4	8.7	11.0	..	1.2	0.6	0.9	5	68	
AYR,	16.3	5.3	8.3	16.0	12.0	..	0.3	0.3	0.3	7	127	
FALKIRK, . .	13.2	2.3	15.3	13.8	9.8	..	1.8	1.2	0.9	..	..
DUNFERMLINE,	21.1	6.6	13.6	10.1	7.9	0.3	..	..	0.3	2	39
PERTH, . . .	11.3	2.9	16.2	13.3	9.1	..	0.3	0.3	..	2	40	
TOTAL . . . (SIXTEEN TOWNS)	18.3	5.8	16.7	11.7	10.7	0.2	0.7	0.5	0.8	264	67	

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for July 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JULY 1939.	18.3	5.8	16.7	10.7	0	1	3	10	18	3	1	7	67	57°·9
JULY 1938.	17.7	5.5	14.7	11.0	1	3	6	11	18	9	8	10	59	57°·5
JULY 1937.	18.5	6.0	14.7	11.3	1	3	4	21	15	4	2	8	63	58°·5
JULY 1936.	18.7	5.7	14.3	11.1	3	32	6	27	10	9	5	15	71	58°·7
JULY 1935.	19.2	5.3	15.4	11.0	0	2	4	15	5	6	4	8	64	59°·6
JULY 1934.	18.7	6.5	14.4	11.3	2	52	3	31	22	8	9	8	65	62°·1
JULY 1933.	18.1	6.0	13.5	10.8	1	1	13	19	13	7	11	12	61	62°·2
JULY 1932.	18.3	6.5	11.4	10.6	1	9	8	15	8	5	10	7	63	58°·8
JULY 1931.	20.3	6.1	12.3	10.9	0	34	3	34	14	6	17	14	69	58°·0
JULY 1930.	19.9	6.6	12.3	11.5	0	25	5	30	14	11	12	15	55	58°·2
JULY 1929.	20.7	6.4	14.0	11.7	0	8	3	32	15	3	18	18	68	58°·3

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														85 & over.
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-				
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4	Measles -	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-		
5	Scarlet Fever -	3	1	2	-	1	1	-	1	-	-	-	-	-	-	-	-		
6	Whooping-cough -	10	3	7	9	1	-	-	-	-	-	-	-	-	-	-	-		
7	Diphtheria -	18	8	10	1	10	6	1	-	-	-	-	-	-	-	-	-		
8	Influenza -	3	2	1	-	2	-	-	-	1	-	-	-	-	-	-	-		
14 (1)	Cerebro-spinal Fever -	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	7	3	4	-	-	-	-	-	-	2	-	1	2	1	1	-		
10	Tuberculosis of Respiratory System -	114	57	57	1	4	2	1	29	27	17	14	14	4	1	-	-		
11	Other Tuberculous Diseases -	47	25	22	4	9	4	6	11	4	2	1	5	1	-	-	-		
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	7	2	5	1	-	-	-	-	1	-	4	1	-	-	-	-		
15	Cancer, Malignant Disease -	341	180	161	-	-	-	-	4	11	25	48	74	112	58	9	-		
18	Diabetes Mellitus -	26	10	16	-	-	-	-	1	1	-	-	3	5	10	6	-		
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	64	25	39	3	1	4	4	5	7	8	11	9	6	5	1	-		
22	Cerebral Hæmorrhage, &c. -	251	117	137	1	-	-	-	-	-	4	13	59	86	81	10	-		
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	57	33	24	15	2	2	2	5	5	10	4	2	8	2	-	-		
24	Heart Disease -	513	273	243	-	-	-	2	6	4	15	49	99	180	134	24	-		
25	Other Circulatory Diseases -	59	34	25	1	-	1	-	1	1	2	2	13	11	24	3	-		
26	Bronchitis -	59	39	20	6	-	-	-	3	-	-	5	11	10	21	3	-		
27	Pneumonia (all forms) -	90	57	33	29	10	-	-	5	1	7	7	14	11	6	-	-		
28	Other Respiratory Diseases -	36	21	15	1	-	-	-	1	1	3	4	6	7	11	2	-		
32 (1)	Gastric and Duodenal Ulcer -	23	17	6	-	-	-	-	-	2	3	7	6	4	1	-	-		
29	Diarrhœa, &c. (all ages) -	51	24	27	35	2	-	1	1	-	1	1	5	2	3	-	-		
30	Appendicitis -	15	9	6	1	-	-	2	4	-	-	1	2	5	-	-	-		
31 (1)	Cirrhosis of Liver -	3	3	-	-	-	-	-	-	1	-	-	1	1	-	-	-		
31 (2)	Other Diseases of Liver, &c. -	17	5	12	-	-	-	-	-	2	1	2	3	4	4	1	-		
32 (2)	Other Digestive Diseases -	39	16	23	2	-	-	-	1	2	6	7	7	10	3	1	-		
33	Acute and Chronic Nephritis -	58	28	30	-	-	2	1	1	3	6	6	11	18	9	1	-		
34	Other Dis. of Genito-Urinary System -	39	31	8	-	-	-	-	-	2	1	4	8	15	8	1	-		
35	Puerperal Sepsis -	3	-	3	-	-	-	-	-	3	-	-	-	-	-	-	-		
36	Other Puerperal Causes -	11	-	11	-	-	-	-	1	7	3	-	-	-	-	-	-		
37	Diseases of Skin and Locomotor System -	20	6	14	6	-	1	1	1	-	-	2	5	2	2	-	-		
38	Congen. Debil., Prem. Birth, Malform., &c. -	159	83	67	147	2	1	-	-	-	-	-	-	-	-	-	-		
39	Old Age -	54	21	33	-	-	-	-	-	-	-	-	1	9	31	13	-		
40	Suicide -	25	18	7	-	-	-	-	-	6	3	-	11	4	1	-	-		
42	Other Violence (41) -	85	59	26	2	6	7	3	3	10	6	10	10	14	11	3	-		
43	Causes Ill-defined or Unknown -	30	19	11	-	-	-	-	-	-	-	7	7	11	5	-	-		
	ALL CAUSES -	2333	1231	1102	264	52	31	24	84	102	125	212	391	547	428	73	-		

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	1	...	1	...	...	...	...	...	...
5	Scarlet Fever	3	3	...	...	...	...	...	...	...
6	Whooping-cough	10	5	2	...	...	...	...	...	...
7	Diphtheria	18	7	3	3	1	3	...	...	...
8	Influenza	3	3	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	1	1	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	7	5	...	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	114	52	24	6	6	5	7	1	2
11	Other Tuberculous Diseases	47	20	6	5	1	2	1	3	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	7	2	2	1	1	1	...	...	...
15	Cancer, Malignant Disease	341	141	73	17	34	11	12	9	3
18	Diabetes Mellitus	26	10	8	2	2	...	1	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	64	22	12	3	5	7	5	1	1
22	Cerebral Hæmorrhage, &c.	254	104	58	14	22	6	8	11	...
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	57	31	8	3	2	2	3	...	2
24	Heart Disease	513	220	98	46	29	20	13	9	10
25	Other Circulatory Diseases	59	28	11	3	6	...	1	1	1
26	Bronchitis	59	28	5	3	3	4	4	1	6
27	Pneumonia (all forms)	90	46	15	2	8	2	2	2	4
28	Other Respiratory Diseases	36	14	14	2	1	1	...	1	...
32 (1)	Gastric and Duodenal Ulcer	23	11	4	...	3	...	2	1	2
29	Diarrhoea, &c. (all Ages)	51	29	4	4	5	2	2	1	...
30	Appendicitis	15	3	5	1	...	2	...	2	...
31 (1)	Cirrhosis of Liver	3	...	1	1	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	17	9	1	2	2	1	...	...	...
32 (2)	Other Digestive Diseases	39	16	10	2	4	3	2	...	...
33	Acute and Chronic Nephritis	58	27	12	7	2	1	...	3	...
34	Oth. Diseases of Genito-Urinary System	39	16	13	1	4	1	2	...	...
35	Puerperal Sepsis	3	...	1	1	...	...	...	...	...
36	Other Puerperal Causes	11	8	...	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	20	13	1	2	1	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	150	63	21	13	8	9	12	7	2
39	Old Age	54	28	4	3	3	...	4	...	1
40	Suicide	25	8	8	1	1	...	1	1	1
42	Other Violence (41)	85	42	11	9	7	2	1	2	3
43	Causes Ill-defined or Unknown	30	22	1	1	2	...	2	...	1
	All Causes	2333	1037	437	160	164	85	85	56	41
	AGE AT DEATH.									
	Under 1	264	121	32	22	14	14	14	9	6
	1-4	52	29	6	2	5	3	...	1	...
	5-9	31	16	7	3	1	2	...	...	...
	10-14	24	10	1	2	1	1	1	3	...
	15-24	84	44	11	3	3	3	5	1	3
	25-34	102	43	18	11	7	5	4	...	2
	35-44	125	65	21	4	8	5	3	4	3
	45-54	212	93	42	10	20	10	8	6	4
	55-64	391	184	73	22	30	12	15	8	6
	65-74	547	238	118	39	33	13	21	9	13
	75-84	428	169	87	37	33	16	14	14	4
	85 and over	73	25	21	5	9	1	...	1	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2333	1037	437	160	164	85	85	56	41

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1939—continued.

(intern'l) Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	3	...	...	...	...	...
7	Diphtheria ... ..	...	1	...	...	...	...	...	...
8	Influenza... ..	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	1	...
10	Tuberculosis of Respiratory System ...	1	2	...	2	1	4	...	1
11	Other Tuberculous Diseases	2	2	...	2	...	2	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	14	4	...	2	8	2	5	6
18	Diabetes Mellitus ... ..	...	...	...	...	1	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	1	2	...	1	...	2
22	Cerebral Hemorrhage, &c.	8	2	3	3	4	4	3	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	...	3	2	...	...	...
24	Heart Disease	4	12	5	7	15	8	8	9
25	Other Circulatory Diseases ... ..	...	1	...	...	1	5	...	1
26	Bronchitis	1	1	...	1	1	1	...	...
27	Pneumonia (all forms)	1	1	3	1	...	2	1	...
28	Other Respiratory Diseases ... ..	...	1	1	1	...	...	...	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	...	...	...	...
29	Diarrhoea, &c. (all Ages) ... ..	...	1	...	1	2	...	...	...
30	Appendicitis ... ..	...	1	...	...	1	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	1	...	...	...	...
32 (2)	Other Digestive Diseases	1	...	...	1	...	...	...	...
33	Acute and Chronic Nephritis ... ..	...	2	...	1	1	1	1	...
34	Oth. Diseases of Genito-Urinary System	1	...	...	...	...	...	1	...
35	Puerperal Sepsis ... ..	...	...	...	1	...	...	...	...
36	Other Puerperal Causes ... ..	...	1	...	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	...	1	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	1	3	2	2	4	...	1	2
39	Old Age ... ..	...	1	4	1	...	...	3	2
40	Suicide ... ..	...	...	2	2	...	...	...	...
42	Other Violence (41) ... ..	...	3	1	1	1	1	1	...
43	Causes Ill-defined or Unknown ... ..	...	1	...	...	...	...	...	...
	All Causes	37	42	25	37	42	32	25	28
	AGE AT DEATH.								
	Under 1	5	6	5	5	7	...	2	2
	1- 4 ... ..	...	2	1	...	2	1	...	...
	5- 9 ... ..	...	...	...	1	...	1	...	...
	10-14 ... ..	...	2	...	2	...	1	...	...
	15-24 ... ..	...	4	...	4	2	1	...	...
	25-34	1	2	3	2	...	4	...	...
	35-44	3	4	1	1	1	1	1	...
	45-54	1	1	1	3	7	1	2	3
	55-64	9	4	2	5	3	9	6	3
	65-74	8	9	9	7	10	8	4	8
	75-84	10	6	...	7	8	5	8	10
	85 and over ... ..	...	2	3	...	2	...	2	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	37	42	25	37	42	32	25	28

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of July 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.							
			Mean of		Absolute Maximum and Minimum.			Dry Bulb. ° F.	Depression of Wet Bulb. ° F.	Vapour Pressure. Mb.	Humidity. %	Number of Days.	Total Fall. inch.	Difference from Average.	Hours per Day.						
			Maximum (A.)	Minimum (B.)	Day of Month.	Difference from Average.	Day of Month.								Minimum.	Day of Month.	Humidity.				
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1007.7 29.758	64.4	51.5	57.9	° F.	° F.	° F.	° F.	36	24th	58.2	31	13.6	31	20	4.47	+1.67	3.28	-1.51	19
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1007.8 29.760	63.9	51.3	57.9	+0.2	72	4th	43	24th	56.2	2.9	12.6	81	2.83	-0.40	4.06	-1.27	24		
DUNDEE, The Director of Studies, Training College.	147	1007.0 29.736	65.4	49.0	57.2	-1.4	72	17th	40	24th	59.1	3.2	13.9	81	4.30	+1.74	4.49	-0.85	26		
ABERDEEN, The Meteorological Office.	79	1006.9 29.733	62.2	52.0	57.1	+0.4	70	24th	43	24th	57.1	3.0	12.9	82	4.88	+2.07	3.82	-1.09	22		
PAISLEY, John Woodrow, The Coats Observatory.	106	1007.6 29.756	65.2	52.5	58.9	-0.6	73	21st	42	24th	57.7	2.5	13.7	85	5.02	+2.16	3.54	-1.48	21		
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1007.7 29.758	64.5	52.4	58.5	+0.2	73	20th	45	24th	57.0	2.9	13.0	82	5.39	+1.69	3.68	..	22		
KIRKCALDY, The Medical Officer of Health.	137	..	64.3	50.6	57.5	-1.6	73	10th	40	24th	57.4	1.9	14.2	89	4.08	..	4.64	..	27		
KILMARNOCK, W. DUNBAR, C.E.	132	..	65.2	50.9	58.1	-0.6	76	20th	39	24th	58.9	2.7	14.2	83	4.60	+1.49	3.99	-1.08	24		
AYR, The Medical Officer of Health.	43	..	63.5	52.2	57.9	..	70	20th	44	1st	57.2	1.9	14.1	88	3.78	..	3.95	..	24		
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	63.7	51.0	57.3	..	69	10th	39	24th	57.6	2.8	13.4	83	5.01	..	3.54	..	21		
PERTH, J. RITCHIE, The Museum.	76	1007.7 29.758	65.9	50.8	58.3	-0.8	73	20th	38	24th	56.6	2.4	13.3	85	3.58	+0.69	3.94	-1.59	23		
Means	147	1007.5 29.751	64.4	51.3	57.9	-0.6	..	..	..	..	57.6	2.7	13.5	84	4.31	+1.38	3.91	-1.27	23
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 2'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.																					

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.

West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars—29.531 mercury inches and inches.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/26. 500. 8/39. J.S. & Co. LTD. Group 157 (1933).

S.O. Code No. 49-9999.

MONTHLY ~~Library~~
OF THE REGISTRAR-GENERAL

Scotland
**BIRTHS, DEATHS AND
MARRIAGES**

Registered in sixteen of the Principal Towns
August, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of August 1939 the births (corrected for transfer to place of usual residence) of 3,830 living children, of whom 2,004 were males and 1,826 were females, and of 192 still-born children. Compared with the number in the previous month the living births were 174 fewer, male births being 41 fewer and female births 133 fewer. The monthly birth-rate in these towns taken collectively was 17·5 per thousand. This rate is 0·8 less than that for the previous month and is 0·2 below the five years' average. With the exception of rate for August 1936, which was also 17·5, this is the lowest birth-rate recorded for the month of August in any year. The births of still born children correspond to a rate of 48 per thousand total births registered (including still-born). This rate is 5 more than that for the previous month.

In the individual towns the monthly birth-rate ranged from 22·1 in Dunfermline, 21·2 in Hamilton and 20·8 in Greenock, to 15·0 in Falkirk, 14·5 in Kirkcaldy and 12·6 in Perth. In Paisley, in Kilmarnock and in Ayr it was 19·8, in Coatbridge 18·5, in Aberdeen 18·2, in Glasgow 18·1, in Clydebank 17·7, in Motherwell and Wishaw 17·2, in Dundee 15·7 and in Edinburgh 15·4.

Of the 3,830 living children whose births were registered during the month, 3,608 or 94·2 per cent. were legitimate, while 222 or 5·8 per cent. were illegitimate. The legitimate children numbered 164 fewer than in the previous month and the illegitimate children 10 fewer. The illegitimate percentage for the month is the same as that for the previous month. In the individual towns it ranged from 7·9 in Aberdeen, 7·7 in Perth and 7·2 in Ayr, to 2·8 in Clydebank, 2·0 in Motherwell and Wishaw and 0 in Kirkcaldy. In Glasgow the rate was 6·1 and in Edinburgh 6·2.

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.*

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Marriages. — Marriages registered during the month numbered 2,046 and are 1,614 fewer than in the previous month. The marriage-rate, 9·4 per thousand, is 7·3 below that for the previous month but 0·9 above the average. It is the highest marriage-rate recorded for the month of August in any year since 1920. In the individual towns it ranged from 12·9 in Dunfermline, 11·5 in Edinburgh and 11·4 in Aberdeen, to 4·9 in Motherwell and Wishaw, 4·4 in Clydebank and 3·9 in Coatbridge. In Glasgow the rate was 9·5. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,364, of which 1,254 were of males and 1,110 were of females. This number is 31 more than in the previous month, males being 23 more and females 8 more.

The monthly death-rate in these towns taken collectively was 10·8 per thousand, being 0·1 above that for the previous month and 0·2 above the average. In the towns taken individually the death-rate ranged from 12·2 in Kirkcaldy, 11·6 in Dundee and in Falkirk and 11·4 in Greenock, to 8·5 in Dunfermline, 8·3 in Clydebank and 7·9 in Kilmarnock. In Edinburgh the rate was 11·3, in Glasgow 11·1, in Ayr 10·9, in Hamilton 10·7, in Paisley 10·3, in Coatbridge 9·9, in Perth 9·7, in Aberdeen 9·1 and in Motherwell and Wishaw 9·0.

Deaths of children aged less than one year numbered 223 and equalled an infantile mortality rate of 56 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 41 fewer than in the previous month, while the rate is 11 less than in that month and 4 below the average. In the individual towns this rate ranged from 82 in Perth, 77 in Falkirk and 75 in Paisley, to 16 in Kilmarnock, 9 in Motherwell and Wishaw and 0 in Clydebank. In Glasgow the rate was 67, in Greenock 64, in Coatbridge 56, in Ayr 54, in Kirkcaldy 49, in Edinburgh 47, in Dundee 46, in Aberdeen 43, in Hamilton 41 and in Dunfermline 38.

Causes of Death.—Deaths from the principal epidemic diseases numbered 32 and equalled a death-rate of 0·1 per thousand. These deaths are 11 fewer than in the previous month and the rate is 0·1 less. They include 2 from typhoid fever, 1 from measles, none from scarlet fever, 6 from whooping-cough, 13 from diphtheria, 1 from influenza, none from cerebro-spinal fever, and 9 from other epidemic diseases, 4 of which were ascribed to lethargic encephalitis, 3 to dysentery and 2 to erysipelas. Compared with the number in the previous month deaths from typhoid fever are 2 more, from measles the same, from whooping-cough 4 fewer, from diphtheria 5 fewer, from influenza 2 fewer and from other epidemic diseases 2 more. In the previous month 3 deaths were registered from scarlet fever and 1 from cerebro-spinal fever.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 171 and equalled a death-rate of 0·8 per thousand. With the exception of the rate for August 1935, which was also 0·8, it is the lowest respiratory death-rate recorded for the month of August in any year. Compared with the number in the previous month these deaths are 14 fewer, while the rate is the same but is 0·1 below the average.

Deaths from all forms of tuberculosis numbered 189, of which 146 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 28 more and those from respiratory tuberculosis 32 more. Compared with the average the former are 27 more and the latter 21 more.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

AUGUST 1939.

**PUBLICATION TEMPORARILY
SUSPENDED.**

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, August 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.						
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)	
										Both Sexes.	Males.	Females.	Out.	In.		
GLASGOW, . . .	1,093,337	1,131,600	1735	903	832	1629	106	98	914	1141	615	526	136	64	1069	
EDINBURGH, . .	439,010	473,200	617	333	284	579	38	85	464	536	277	259	101	19	454	
DUNDEE, . . .	175,681	178,200	287	121	116	225	12	10	128	182	94	88	17	11	176	
ABERDEEN, . . .	169,808	179,400	278	156	122	256	22	9	174	173	97	76	39	4	188	
PAISLEY, . . .	86,445	91,700	154	80	74	148	6	6	41	83	37	46	18	15	80	
GREENOCK, . . .	79,012	81,600	144	84	60	135	9	5	41	71	47	24	7	15	79	
MOTHERWELL AND WISHAW, . .	65,611	67,900	99	53	46	97	2	5	28	38	16	22	..	14	52	
CLYDEBANK, . .	46,991	48,000	72	38	34	70	2	3	18	18	11	7	2	18	34	
KIRKCALDY, . .	44,559	46,300	57	21	36	57	..	3	32	44	27	17	5	9	48	
COATBRIDGE, . .	43,812	45,300	71	37	34	68	3	6	15	29	18	11	1	10	38	
KILMARNOCK, . .	38,681	40,300	68	31	37	64	4	2	21	41	23	18	17	3	27	
HAMILTON, . . .	38,112	39,500	71	37	34	67	4	4	26	34	15	19	5	7	36	
AYR,	38,905	41,100	69	33	36	64	5	1	36	46	25	21	13	5	38	
FALKIRK, . . .	36,566	38,400	49	31	18	46	3	4	33	50	27	23	14	2	38	
DUNFERMLINE, . .	35,058	37,300	70	31	39	67	3	1	41	28	22	6	6	5	27	
PERTH,	35,051	36,400	39	15	24	36	3	..	34	42	15	27	13	1	30	
TOTAL (SIXTEEN TOWNS)	2,466,134	2,576,200	3830	2004	1826	3603	222	192	2046	2556	1366	1190	394	202	2364	

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, August 1939.

TOWNS.	Birth-Rate (living children) per 1000 of Population.	Illegitimate Birth-Rate (living children) per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	18.1	6.1	9.5	11.9	11.1	0.1	1.1	0.9	0.7	125	67
EDINBURGH, . .	15.4	6.2	11.5	13.3	11.3	0.2	0.6	0.4	1.0	30	47
DUNDEE, . . .	15.7	5.1	8.6	12.0	11.6	..	0.7	0.6	1.1	11	46
ABERDEEN, . .	18.2	7.9	11.4	11.4	9.1	0.2	0.3	0.1	0.6	11	43
PAISLEY, . . .	19.8	3.9	5.3	10.7	10.3	0.3	0.8	0.6	0.8	11	75
GREENOCK, . . .	20.8	6.3	5.9	10.2	11.4	0.3	1.4	1.3	0.4	9	64
MOTHERWELL AND WISHAW, . .	17.2	2.0	4.9	6.6	9.0	0.3	0.9	0.2	..	1	9
CLYDEBANK, . .	17.7	2.8	4.4	4.4	8.3	0.2	1.0	0.7	1.0	..	..
KIRKCALDY, . .	14.5	..	8.1	11.2	12.2	0.3	0.5	0.3	0.5	3	49
COATBRIDGE, . .	18.5	4.2	3.9	7.5	6.9	..	1.0	1.0	0.3	5	56
KILMARNOCK, . .	19.8	5.9	6.1	12.0	7.9	..	0.9	0.6	..	1	16
HAMILTON, . . .	21.2	5.6	7.8	10.1	10.7	..	0.3	0.3	1.5	3	41
AYR,	19.8	7.2	10.3	13.2	10.9	..	0.9	0.3	0.3	3	54
FALKIRK, . . .	15.0	6.1	10.1	15.3	11.6	..	0.3	0.3	2.1	4	77
DUNFERMLINE, . .	22.1	4.3	12.9	8.8	5.5	0.3	0.3	0.3	0.6	2	38
PERTH,	12.6	7.7	11.0	13.6	9.7	0.3	..	..	1.6	4	32
TOTAL (SIXTEEN TOWNS)	17.5	5.8	9.4	11.7	10.8	0.1	0.9	0.7	0.8	223	56

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for August 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children) per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
AUG. 1939, .	17.5	5.8	9.4	10.8	2	1	0	6	13	1	0	9	56	...
AUG. 1938, .	17.7	5.1	9.3	10.8	0	4	1	18	6	6	4	8	57	58°·2
AUG. 1937, .	18.2	5.8	8.8	10.6	1	2	2	14	23	4	3	5	68	59°·1
AUG. 1936, .	17.5	5.2	8.8	10.9	1	8	5	16	9	8	3	8	68	59°·6
AUG. 1935, .	17.6	6.3	7.8	10.4	4	3	3	20	19	3	4	14	54	59°·9
AUG. 1934, .	17.6	6.1	8.0	10.3	1	31	7	13	19	4	8	3	51	57°·6
AUG. 1933, .	17.9	5.8	7.4	10.0	1	1	4	17	10	4	6	7	66	60°·6
AUG. 1932, .	18.6	6.2	7.5	11.0	2	8	7	20	17	7	8	12	79	59°·0
AUG. 1931, .	18.5	6.7	7.3	10.5	1	23	5	18	12	5	9	9	55	55°·7
AUG. 1930, .	19.7	6.0	7.0	10.4	1	9	4	13	8	4	7	19	60	58°·2
AUG. 1929, .	19.5	6.6	6.7	10.8	1	9	1	20	10	12	8	12	61	56°·7

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	2	2	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-
4	Measles -	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	6	5	1	5	1	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	13	8	5	-	8	4	1	-	-	-	-	-	-	-	-	-	-
8	Influenza -	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
14 (1)	Cerebro-spinal Fever -	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	9	5	4	-	-	-	-	-	-	-	-	-	5	-	1	-	-
10	Tuberculosis of Respiratory System -	146	82	64	1	2	-	2	42	32	29	24	10	3	1	-	-	-
11	Other Tuberculous Diseases -	43	16	27	-	7	9	5	9	7	1	3	2	-	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	13	6	7	-	2	-	-	-	2	2	2	3	-	-	-	-	-
15	Cancer, Malignant Disease -	339	178	161	-	-	1	-	1	7	23	48	96	99	55	9	-	-
18	Diabetes Mellitus -	28	13	15	-	-	-	-	-	1	-	2	8	11	6	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	65	22	43	1	-	1	3	5	10	6	13	9	10	7	-	-	-
22	Cerebral Hemorrhage, &c. -	245	110	135	-	-	-	1	1	1	5	15	44	90	80	8	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	56	32	24	12	3	1	-	1	3	4	9	12	8	2	1	-	-
24	Heart Disease -	547	269	278	-	-	2	4	4	5	23	60	110	179	128	32	-	-
25	Other Circulatory Diseases -	48	30	18	-	-	-	-	-	1	2	8	7	13	12	5	-	-
26	Bronchitis -	55	36	19	4	-	-	1	-	2	6	11	12	15	4	-	-	-
27	Pneumonia (all forms) -	83	50	33	18	11	-	1	1	2	3	12	10	16	8	1	-	-
28	Other Respiratory Diseases -	33	13	20	1	1	-	-	-	1	1	3	4	12	6	4	-	-
32 (1)	Gastric and Duodenal Ulcer -	25	20	5	-	-	-	-	1	3	4	6	5	1	3	2	-	-
29	Diarrhoea, &c. (all ages) -	64	40	24	45	11	-	-	-	1	1	2	1	-	3	-	-	-
30	Appendicitis -	21	13	8	-	1	1	1	7	2	2	1	3	3	-	-	-	-
31 (1)	Cirrhosis of Liver -	5	5	-	-	-	-	-	-	-	-	1	2	2	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	15	6	9	-	-	-	-	-	1	-	2	5	4	3	-	-	-
32 (2)	Other Digestive Diseases -	31	16	15	1	2	-	-	2	2	5	1	7	5	5	1	-	-
33	Acute and Chronic Nephritis -	63	33	30	-	-	-	-	1	2	8	6	25	13	4	4	-	-
34	Other Dis. of Genito-Urinary System -	34	25	9	1	1	-	-	-	-	1	-	4	12	11	4	-	-
35	Puerperal Sepsis -	4	-	4	-	-	-	-	-	1	3	-	-	-	-	-	-	-
36	Other Puerperal Causes -	10	-	10	-	-	-	-	-	7	3	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	12	3	9	3	3	-	2	-	-	-	1	1	1	1	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	129	72	57	128	1	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	70	31	39	-	-	-	-	-	-	-	-	-	12	44	14	-	-
40	Suicide -	22	15	7	-	-	-	-	1	3	5	3	5	4	1	-	-	-
42	Other Violence (41) -	101	79	22	2	3	8	9	11	11	8	13	18	6	10	2	-	-
43	Causes ill-defined or Unknown -	25	18	7	1	-	-	-	-	-	-	5	7	7	5	-	-	-
	ALL CAUSES -	2364	1254	1110	223	59	27	31	91	108	139	246	414	524	411	91	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	2	1	...	...	...	...	1	...	...
4	Measles	1	...	1	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...
6	Whooping-cough	6	2	2	...	...	...	...	...	...
7	Diphtheria	13	6	2	...	3	1	...	1	...
8	Influenza	1	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	9	3	2	...	...	1	1	1	1
10	Tuberculosis of Respiratory System ...	146	90	17	9	1	5	9	1	3
11	Other Tuberculous Diseases	43	19	8	2	3	1	1	4	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	13	5	2	...	...	...	1	1	...
15	Cancer, Malignant Disease	339	143	80	26	31	9	8	9	2
18	Diabetes Mellitus	28	10	8	1	2	2	2	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	65	28	19	2	2	3	2	2	...
22	Cerebral Hæmorrhage, &c.	245	103	51	18	17	6	10	2	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	56	24	6	4	3	1	2	5	2
24	Heart Disease	547	241	100	51	33	20	10	12	10
25	Other Circulatory Diseases	48	18	14	...	5	1	2	2	1
26	Bronchitis	55	24	11	5	1	2	2	...	2
27	Pneumonia (all forms)	83	41	18	4	6	3	...	...	2
28	Other Respiratory Diseases	33	6	10	7	2	1	1	...	...
32 (1)	Gastric and Duodenal Ulcer	25	15	8	...	...	...	1	...	...
29	Diarrhœa, &c. (all Ages)	64	40	4	4	4	3	3	...	1
30	Appendicitis	21	10	3	3	...	2	1	...	...
31 (1)	Cirrhosis of Liver	5	3	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	15	2	3	3	4	...	1	...	1
32 (2)	Other Digestive Diseases	31	11	9	4	3	...	1	1	...
33	Acute and Chronic Nephritis	63	24	12	3	3	4	4	3	1
34	Oth. Diseases of Genito-Urinary System	34	12	9	6	...	...	...	1	...
35	Puerperal Sepsis	4	3	1	...	...	...	...	...	...
36	Other Puerperal Causes	10	4	1	1	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	12	5	1	2	...	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	129	66	23	7	7	8	5	1	...
39	Old Age	70	40	7	4	1	1	4	1	...
40	Suicide	22	5	7	2	3	...	...	...	...
42	Other Violence (41)	101	52	11	7	3	5	6	3	3
43	Causes Ill-defined or Unknown	25	13	3	1	...	1	1	1	...
	All Causes	2364	1069	454	176	138	80	79	52	34
	AGE AT DEATH.									
	Under 1	223	125	30	11	11	11	9	1	...
	1-4	59	28	8	4	5	2	...	4	1
	5-9	27	14	4	2	1	1	1	3	1
	10-14	31	18	1	1	...	...	2	1	...
	15-24	91	48	8	6	3	5	6	2	4
	25-34	108	45	16	14	4	5	4	4	1
	35-44	139	85	16	9	6	4	5	4	...
	45-54	246	104	50	24	14	10	9	7	5
	55-64	414	182	83	29	26	9	19	9	8
	65-74	524	205	125	38	29	18	17	7	8
	75-84	411	177	90	31	30	12	7	10	6
	85 and over	91	38	23	7	8	3	...	...	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2364	1069	454	176	138	80	79	52	34

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	1	1
7	Diphtheria ... ..	...	...	...	...	...	...	...	...
8	Influenza... ..	1	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	4	2	1	1	1	1	...
11	Other Tuberculous Diseases	1	...	1	...	2	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	2	...	...	1	1	...	...	...
15	Cancer, Malignant Disease	5	3	1	7	5	5	2	3
18	Diabetes Mellitus	1	...	...	...	1	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	3	...	1	...	...	1	1
22	Cerebral Hæmorrhage, &c.	3	5	5	2	8	6	2	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	2	1	1	2	...	1	...
24	Heart Disease	14	5	9	11	7	13	2	9
25	Other Circulatory Diseases	2	...	...	1	...	1	1	...
26	Bronchitis	1	...	...	...	...	3	1	3
27	Pneumonia (all forms)	1	1	...	2	1	3	...	1
28	Other Respiratory Diseases ... ..	...	...	...	3	...	1	1	1
32 (1)	Gastric and Duodenal Ulcer	1	...	...	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	1	3	...	...	...	1	...	...
30	Appendicitis ... ..	...	...	1	...	1	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	1	...
32 (2)	Other Digestive Diseases	1	...	...	...	1	...	...	...
33	Acute and Chronic Nephritis	1	1	1	2	3	...	...	1
34	Oth. Diseases of Genito-Urinary System	...	1	1	1	1	1	1	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	2	...	...	...	...	...	1
37	Dis. of Skin, and of Locomotor System	...	...	...	1	...	...	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	1	2	1	1	3	1	1	2
39	Old Age	4	4	1	...	...	...	3	...
40	Suicide	2	...	2	...	...	...	...	1
42	Other Violence (41)	1	1	1	1	...	2	5	...
43	Causes Ill-defined or Unknown	1	1	...	...	1	...	2	...
	All Causes	48	38	27	36	38	38	27	30
	AGE AT DEATH.								
	Under 1	3	5	1	3	3	4	2	4
	1-4	1	2	...	2	1	...	1	...
	5-9 ... ..	...	...	...	...	...	...	...	...
	10-14	3	...	...	...	...	1	...	3
	15-24 ... ..	...	2	3	1	2	1	...	...
	25-34	3	2	3	...	1	2	3	1
	35-44	1	4	3	1	...	...	1	...
	45-54	5	1	1	2	3	4	4	3
	55-64	13	7	1	8	4	5	5	6
	65-74	11	9	8	14	13	9	5	8
	75-84	4	5	6	5	8	12	5	3
	85 and over	4	1	1	...	3	...	1	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	48	38	27	36	38	38	27	30

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of August 1939

PUBLICATION TEMPORARILY SUSPENDED.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/26. 500 9/39. J.S. & Co. Ltd. **Group 157** (1983).

S. O. Code No. 49-9999.

MONTHLY RETURN
OF THE REGISTRAR-GENERAL
Scotland
BIRTHS, DEATHS AND
MARRIAGES

Registered in sixteen of the Principal Towns

September, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of September 1939 the births (corrected for transfer to place of usual residence) of 3,560 living children, of whom 1,826 were males and 1,734 were females, and of 144 still-born children. Compared with the number in the previous month the living births were 270 fewer, male births being 178 fewer and female births 92 fewer. The monthly birth-rate in these towns taken collectively was 16·8 per thousand. This rate is 0·7 less than that for the previous month and is 0·1 below the five years' average. The births of still-born children correspond to a rate of 39 per thousand total births registered (including still-born). This rate is 9 below that for the previous month.

In the individual towns the monthly birth-rate ranged from 21·8 in Coatbridge, 20·4 in Greenock and in Hamilton and 19·0 in Kilmarnock, to 13·2 in Clydebank, 12·3 in Kirkcaldy and 10·4 in Perth. In Falkirk it was 18·1, in Glasgow 17·8, in Paisley 16·5, in Motherwell and Wishaw 16·1, in Dundee 16·0, in Edinburgh 15·4, in Aberdeen 15·3, in Ayr 15·1 and in Dunfermline 14·7.

Of the 3,560 living children whose births were registered during the month, 3,406 or 95·7 per cent. were legitimate, while 154 or 4·3 per cent. were illegitimate. The legitimate children numbered 202 fewer than in the previous month and the illegitimate children 68 fewer. The illegitimate percentage for the month is 1·5 below that for the previous month. In the individual towns it ranged from 9·7 in Perth, 6·4 in Dundee and 5·9 in Ayr, to 1·5 in Hamilton, 1·1 in Motherwell and Wishaw and 0 in Coatbridge. In Glasgow the rate was 4·9 and in Edinburgh 4·2.

Marriages.—Marriages registered during the month numbered 4,215 and are 2,169 more than in the previous month. The marriage-rate, 19·9 per thousand, is 10·5 above that for the previous month and 9·2 above the average. It is the highest marriage-rate recorded for any month in this series of Reports. In the individual towns it ranged from 41·4 in Perth, 29·3 in Ayr and 25·6 in Aberdeen, to 11·8 in Kilmarnock, 9·3 in Motherwell and Wishaw and 8·1 in Coatbridge. In Glasgow the rate was 19·1

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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EDINBURGH

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and in Edinburgh 23·7. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,378, of which 1,277 were of males and 1,101 were of females. This number is 14 more than in the previous month, males being 23 more but females 9 fewer.

The monthly death-rate in these towns taken collectively was 11·2 per thousand, being 0·4 above that for the previous month and 0·3 above the average. In the towns taken individually the death-rate ranged from 14·7 in Perth, 14·2 in Ayr and 12·0 in Motherwell and Wishaw, to 9·6 in Clydebank, 8·6 in Aberdeen and 6·7 in Falkirk. In Greenock the rate was 11·9, in Dundee and in Coatbridge 11·8, in Glasgow 11·6, in Edinburgh 11·3, in Paisley 11·0, in Kirkcaldy 10·8, in Dunfermline 10·4, in Kilmarnock 10·3 and in Hamilton 10·2.

Deaths of children aged less than one year numbered 250 and equalled an infantile mortality rate of 65 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 27 more than in the previous month, while the rate is 9 more than in that month and 1 above the average. In the individual towns this rate ranged from 109 in Ayr, 108 in Greenock and 100 in Paisley, to 42 in Hamilton, 32 in Kilmarnock and 22 in Perth. In Motherwell and Wishaw it was 87, in Falkirk 80, in Coatbridge 70, in Glasgow 68, in Dundee 65, in Aberdeen 61, in Dunfermline 58, in Clydebank 57, in Kirkcaldy 51 and in Edinburgh 44.

Causes of Death.—Deaths from the principal epidemic diseases numbered 38 and equalled a death-rate of 0·2 per thousand. These deaths are 6 more than in the previous month and the rate is 0·1 more. They include 1 from typhoid fever, none from measles, 1 from scarlet fever, 5 from whooping-cough, 12 from diphtheria, 8 from influenza, 5 from cerebro spinal fever, and 6 from other epidemic diseases, 5 of which were ascribed to lethargic encephalitis and 1 to erysipelas. Compared with the number in the previous month deaths from typhoid fever are 1 fewer, from scarlet fever 1 more, from whooping-cough 1 fewer, from diphtheria 1 fewer, from influenza 7 more, from cerebro-spinal fever 5 more and from other epidemic diseases 3 fewer. In the previous month 1 death was registered from measles.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 189 and equalled a death-rate of 0·9 per thousand. It is the lowest respiratory death-rate recorded for the month of September in any year. Compared with the number in the previous month these deaths are 18 more, while the rate is 0·1 more but is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 148, of which 115 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 41 fewer and those from respiratory tuberculosis 31 fewer. Compared with the average the former are 8 fewer and the latter 6 fewer.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1939.

(Notes and Table for August will be found on pages 73 and 74.)

Mean barometric pressure, 30·170 ins. ; greater than the average* by 0·193 ins.

Mean temperature, 55·6° F. ; greater by 2·1° F.

Mean daily range of temperature, 14·2° F. ; greater by 1·0° F.

Mean daily sunshine, 4·06 hours ; less by 0·14 hour.

Rain, depth in inches, 1·93 ; less by 0·68 inch.

Wind, direction of ; a seven days' excess of winds between N.W. and N.E.

Features of the weather of September were its pleasantly mild character, its deficient rainfall—practically all the rain falling in the first twelve days—and severe and widespread thunderstorms on the 3rd.

* The averages of normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

The extremes of pressure in Edinburgh were 30·59 inches on the 18th and 29·67 inches on the 3rd.

Mean temperatures were above normal in all districts. At several widely separated stations the excess over the normal amounted to 3° F. and at Arbroath it was 3·8° F. It was the seventh successive September in which the mean temperature for the country as a whole exceeded the normal. The warmest days were from the 2nd to the 5th, when shade temperatures rose to 70° F. or slightly above in many places. The highest readings reported, both 76° F., were registered at Kilmarnock on the 2nd and in Edinburgh on the 5th; maxima only one degree lower occurred at Paisley and Ruthwell on the 2nd and at Forres on the 5th. Night temperatures were also high in the first week. At Prestwick temperature did not fall below 63° F. on the 3rd; Kilmarnock, Troon and Ayr had minima of 62° F. on the same date. The coldest spell occurred in the closing days of the month, when slight frosts were registered in many places. Extreme minima reported were 25° F. at West Linton on the 28th, 26° F. at Dalwhinnie on the 27th, and 27° F. at Balmoral and Braemar on the 28th. Day temperatures did not rise much above 50° F. about this time. At Banff and Strathlythe the maxima on the 30th only touched 49° F. Ground frosts were widespread from the 28th to 30th and occurred locally on eight other days. A thermometer exposed over grass registered 21° F. at West Linton each night from the 28th to 30th, and this minimum was also recorded at Dalwhinnie on the 30th.

There was a lack of sunshine at most places in east and southern Scotland and a small excess in the west. Over the central area the variation from normal was slight. The largest aggregate was 143 hours at Arbroath, followed by 138 hours at Carnoustie, Rothesay, Troon, Prestwick and Ayr. Several stations had less than 100 hours' sunshine, the smallest aggregates being 81 hours at Marchmont, 86 hours at Eskdalemuir and 89 hours at Banff.

Rain fell generally in the first 13 days. Thereafter precipitation was infrequent and slight. Many places in the south and west experienced an absolute drought from the 14th, which was only broken by showers on the 30th. As the result of thunderstorms a few scattered stations had monthly totals in excess of the normal, but over most of Scotland the totals were well below normal. The deficiency exceeded 50 per cent. of normal in parts of Ross-shire and at Glen Afton (Ayrshire). Daily falls exceeding an inch were numerous in all districts during the first ten days. None occurred after the 12th. By far the wettest day was the 3rd, when some unusually large amounts were reported in the west. These included 3·88 inches at Skallary (Barra), 3·25 inches at Dunlossit and 3·17 inches at Eallabus, both stations in Islay, 2·39 inches at Bunessan (Mull) and 2·21 inches at Glenbranter. Some other heavy daily falls were 1·42 inches at Selkirk on the 2nd, 1·54 inches at Glenmoidart on the 4th, 1·88 inches at Ardour and 1·80 inches at Inveraray on the 7th, 1·44 inches at Glenmoidart on the 8th, 1·44 inches at Kilmelford on the 9th and 1·64 inches at Nethy Bridge on the 10th.

Hail fell at Carluke during a thunderstorm on the 3rd.

Fog was reported locally on 13 days. It occurred most frequently in the Clyde area, Greenock experiencing fog on 9 days.

Gales were reported at Lerwick on the 9th and 11th, at St. Abb's Head on the 11th and 12th and at Banff on the 24th.

Thunderstorms occurred in all districts on the 3rd and were of unusual severity in the west. Exceptionally heavy rain caused flooding in Islay, which was said to be the worst ever experienced in the island. Serious landslides occurred on both sides of Loch Eck which blocked waterways and culverts. On the main Dunoon-Glasgow road it took a mechanical excavator a fortnight to clear a traffic way through the deposits of debris. Thunder was also reported locally on 14 other days.

Aurora was observed on 9 nights. It was seen as far south as St. Abb's Head on the 9th and 14th.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 72.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, September 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED.			TRANSFERS (Both Sexes.)		
										Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)
GLASGOW, . . .	1,093,337	1,131,600	1655	866	789	1574	81	87	1780	1119	620	499	131	87	1075
EDINBURGH, . .	439,010	473,200	600	302	298	575	25	17	922	490	259	231	86	34	438
DUNDEE, . . .	175,681	178,200	285	112	123	220	15	12	285	178	78	100	14	9	173
ABERDEEN, . .	169,803	179,400	226	112	114	219	7	2	378	159	77	82	37	5	127
PAISLEY, . . .	86,445	91,700	124	64	60	120	4	5	115	98	56	42	22	7	83
GREENOCK, . .	79,012	81,600	137	66	71	133	4	1	100	76	49	27	2	6	80
MOTHERWELL AND WISHAW, .	65,611	67,900	90	44	46	89	1	2	52	61	33	28	9	15	67
CLYDEBANK, . .	46,991	48,000	52	25	27	51	1	2	55	25	10	15	..	13	38
KIRKCALDY, . .	44,559	46,300	47	27	20	46	1	3	55	42	15	27	4	3	41
COATBRIDGE, .	43,312	45,300	81	40	41	81	..	3	30	42	28	14	3	5	44
KILMARNOCK, .	38,681	40,300	63	34	29	60	3	2	39	39	24	15	9	4	34
HAMILTON, . .	33,112	39,500	66	37	29	65	1	3	57	29	16	13	3	7	33
AYR,	33,905	41,100	51	31	20	48	3	1	99	54	31	23	13	7	48
FALKIRK, . . .	36,566	38,400	57	27	30	54	3	2	46	34	18	16	15	2	21
DUNFERMLINE, .	35,058	37,300	45	21	24	43	2	1	78	46	30	16	16	2	32
PERTH,	35,051	36,400	31	18	13	28	3	1	124	66	39	27	25	3	44
TOTAL (SIXTEEN TOWNS)	2,466,134	2,576,200	3560	1826	1734	3406	154	144	4215	2558	1333	1175	389	209	2378

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, September 1939.

TOWNS.	Birth-Rate (living children) per 1000 of Population.	Illegitimate Birth-Rate (living children) per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	17.8	4.3	19.1	12.0	11.6	0.2	0.8	0.6	0.3	123	68
EDINBURGH, . .	15.4	4.2	23.7	12.6	11.3	0.1	0.6	0.5	1.1	27	44
DUNDEE, . . .	16.0	6.4	19.5	12.2	11.8	0.1	0.7	0.5	0.7	15	65
ABERDEEN, . .	15.3	3.1	25.6	10.8	8.6	0.1	0.3	0.3	0.7	15	61
PAISLEY, . . .	16.5	3.2	15.3	13.0	11.0	0.1	0.5	0.5	0.5	14	100
GREENOCK, . . .	20.4	2.9	14.9	11.3	11.9	0.1	1.0	0.9	1.6	15	108
MOTHERWELL AND WISHAW, . .	16.1	1.1	9.3	10.9	12.0	0.2	0.9	0.3	1.1	9	87
CLYDEBANK, . .	13.2	1.9	13.9	6.3	9.6	..	0.3	0.3	1.3	4	57
KIRKCALDY, . .	12.3	2.1	14.4	11.0	10.8	..	0.3	..	0.3	3	51
COATBRIDGE, . .	21.8	..	8.1	11.3	11.8	..	1.1	0.8	0.8	6	70
KILMARNOCK, . .	19.0	4.8	11.8	11.8	10.3	..	0.6	0.6	0.9	2	32
HAMILTON, . . .	20.4	1.5	17.6	8.9	10.2	0.6	0.6	0.3	0.9	3	42
AYR,	15.1	5.9	29.3	16.0	14.2	..	..	..	1.2	6	109
FALKIRK, . . .	18.1	5.3	14.6	10.8	6.7	..	0.3	0.3	0.3	4	80
DUNFERMLINE, .	14.7	4.4	25.4	15.0	10.4	..	0.7	0.3	0.7	3	58
PERTH,	10.4	9.7	41.4	22.1	14.7	1.3	0.7	0.7	0.7	1	22
TOTAL (SIXTEEN TOWNS)	16.8	4.3	19.9	12.1	11.2	0.2	0.7	0.5	0.9	250	65

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for September 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
SEPT. 1939.	16.8	4.3	19.9	11.2	1	0	1	5	12	8	5	6	65	55°·6
SEPT. 1938.	17.1	4.9	11.1	11.2	0	1	6	13	14	5	4	9	59	55°·4
SEPT. 1937.	17.3	5.6	10.6	11.2	0	0	7	14	17	5	3	8	68	54°·0
SEPT. 1936.	17.0	5.8	10.8	11.2	1	6	3	13	11	7	10	6	77	55°·0
SEPT. 1935.	16.2	6.2	10.4	10.6	3	3	2	12	13	12	2	12	56	53°·0
SEPT. 1934.	16.7	6.4	10.7	10.2	2	10	7	13	15	8	3	9	60	55°·4
SEPT. 1933.	16.0	6.6	10.3	10.7	0	0	10	10	16	8	5	13	76	56°·6
SEPT. 1932.	17.9	5.9	9.9	10.8	3	1	13	14	9	15	10	7	66	53°·3
SEPT. 1931.	18.9	6.0	9.5	11.2	6	34	4	7	11	20	12	9	64	52°·2
SEPT. 1930.	19.2	7.0	10.2	11.1	2	5	3	16	24	17	14	21	66	54°·5
SEPT. 1929.	18.2	6.7	9.4	10.6	2	2	1	15	14	9	11	17	71	56°·3

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														85 & over.
					1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.			
1.	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
4.	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.	Scarlet Fever -	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
6.	Whooping-cough -	5	3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Diphtheria -	12	7	5	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-
8.	Influenza -	8	3	5	-	-	-	-	-	-	2	-	1	1	3	1	-	-	-
14 (1)	Cerebro-spinal Fever -	5	2	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	6	2	4	-	-	-	-	-	-	1	1	1	3	-	-	-	-	-
10	Tuberculosis of Respiratory System -	115	55	60	1	-	1	37	26	20	11	12	4	1	1	-	-	-	-
11	Other Tuberculous Diseases -	33	17	16	2	8	2	4	7	4	1	2	1	-	-	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	7	5	2	1	-	-	-	-	-	3	2	1	-	-	-	-	-	-
15	Cancer, Malignant Disease -	335	167	168	-	1	-	4	5	14	55	89	103	53	8	-	-	-	-
18.	Diabetes Mellitus -	29	10	19	-	-	-	-	-	-	1	3	8	10	7	-	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	53	20	33	4	-	1	4	6	2	12	7	6	8	3	-	-	-	-
22	Cerebral Haemorrhage, &c. -	237	112	125	-	1	1	1	1	-	3	19	43	94	68	6	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	61	35	26	10	2	2	2	2	4	9	10	11	7	2	-	-	-	-
24	Heart Disease -	532	280	252	-	1	1	9	16	17	40	118	167	139	24	-	-	-	-
25	Other Circulatory Diseases -	43	26	17	-	-	-	1	1	-	4	3	14	17	3	-	-	-	-
26	Bronchitis -	80	49	31	4	1	-	-	-	-	3	5	19	26	16	6	-	-	-
27	Pneumonia (all forms) -	86	51	35	22	7	4	-	3	2	11	5	10	11	9	2	-	-	-
28	Other Respiratory Diseases -	23	14	9	2	-	-	1	1	1	1	2	3	3	9	-	-	-	-
32 (1)	Gastric and Duodenal Ulcer -	18	14	4	-	-	-	-	-	2	3	5	4	3	1	-	-	-	-
29	Diarrhoea, &c. (all ages) -	103	63	40	76	11	-	-	-	-	2	4	1	7	2	-	-	-	-
30	Appendicitis -	15	10	5	-	-	5	1	1	-	2	2	2	1	1	-	-	-	-
31 (1)	Cirrhosis of Liver -	10	7	3	-	-	-	-	-	-	-	3	5	2	-	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	12	3	9	-	-	-	-	-	-	1	3	2	4	2	-	-	-	-
32 (2)	Other Digestive Diseases -	41	25	16	5	1	3	-	2	4	2	2	9	5	7	1	-	-	-
33	Acute and Chronic Nephritis -	55	25	30	-	1	-	-	1	2	4	2	17	23	5	-	-	-	-
34	Other Dis. of Genito-Urinary System -	32	22	10	-	-	-	-	-	1	3	3	7	6	8	4	-	-	-
35	Puerperal Sepsis -	3	-	3	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
36	Other Puerperal Causes -	6	-	6	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	11	7	4	-	1	1	2	-	-	-	1	4	1	1	-	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	118	69	49	116	2	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	63	22	41	-	-	-	-	-	-	-	-	-	7	38	18	-	-	-
40	Suicide -	25	16	9	-	-	-	-	-	2	4	8	4	3	4	-	-	-	-
42	Other Violence (41) -	171	122	49	2	7	12	12	11	19	22	27	15	19	19	6	-	-	-
43	Causes Ill-defined or Unknown -	23	13	10	-	1	-	-	-	-	1	3	7	8	2	1	-	-	-
	ALL CAUSES -	2378	1277	1101	250	54	40	30	90	98	148	225	404	545	413	81	-	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	1	...	...	...	...
6	Whooping-cough	5	3	...	...	...	...	1	...	...
7	Diphtheria	12	9	2	1	...	...	...	...	...
8	Influenza	8	3	1	1	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	5	2	1	...	...	1	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	6	2	1	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	115	58	21	7	5	4	6	3	1
11	Other Tuberculous Diseases	33	19	4	3	...	...	1	2	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	7	4	3	...	...	...	...	...	...
15	Cancer, Malignant Disease	335	150	64	28	18	13	9	7	7
18	Diabetes Mellitus	29	16	5	...	...	...	1	...	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	53	23	10	5	3	2	1	1	1
22	Cerebral Hæmorrhage, &c.	237	96	38	15	20	5	8	4	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	61	28	9	5	5	2	5	1	...
24	Heart Disease	532	238	119	44	22	17	8	16	7
25	Other Circulatory Diseases	43	15	9	3	2	4	1	1	...
26	Bronchitis	80	37	13	3	4	4	3	5	1
27	Pneumonia (all forms)	86	33	25	5	4	...	6	1	4
28	Other Respiratory Diseases	23	8	5	2	3	...	2	...	...
32 (1)	Gastric and Duodenal Ulcer	18	6	6	3	...	1	...	...	1
29	Diarrhoea, &c. (all Ages)	103	65	8	5	1	5	4	5	1
30	Appendicitis	15	4	4	1	2	3	...	...	...
31 (1)	Cirrhosis of Liver	10	2	2	2	2	...	1	...	...
31 (2)	Other Diseases of Liver, &c.	12	3	4	...	1	1	...	...	...
32 (2)	Other Digestive Diseases	41	13	10	3	2	2	2	2	1
33	Acute and Chronic Nephritis	55	19	6	9	1	3	3	3	3
34	Oth. Diseases of Genito-Urinary System	32	11	8	4	2	2	...	...	1
35	Puerperal Sepsis	3	1	1	...	...	...	...	1	...
36	Other Puerperal Causes	6	4	1	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	11	5	1	1	2	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	118	52	14	9	8	7	8	3	1
39	Old Age	63	37	7	5	3	...	2	1	...
40	Suicide	25	8	8	3	1	1	1	1	...
42	Other Violence (41)	171	93	22	6	12	4	5	6	4
43	Causes Ill-defined or Unknown	23	7	6	...	2	2	2	2	...
	All Causes	2378	1075	438	173	127	83	80	67	38
	AGE AT DEATH.									
	Under 1	250	123	27	15	15	14	15	9	4
	1-4	54	36	6	...	2	1	3	3	...
	5-9	40	19	7	1	4	1	3	1	...
	10-14	30	14	1	4	3	2	1	1	...
	15-24	90	47	18	5	1	1	3	2	...
	25-34	98	48	16	4	2	4	7	4	4
	35-44	148	68	29	15	9	6	3	3	2
	45-54	225	113	41	22	8	5	9	7	1
	55-64	404	177	80	31	22	15	11	7	7
	65-74	545	239	95	37	29	20	14	19	15
	75-84	413	160	98	33	20	11	9	10	5
	85 and over	81	31	20	6	12	3	2	1	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2378	1075	438	173	127	83	80	67	38

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ...	...	...	...	...	...	...	...	...
5	Scarlet Fever ...	...	...	...	...	...	...	...	...
6	Whooping-cough ...	...	...	...	...	...	...	...	1
7	Diphtheria ...	...	...	...	...	...	...	...	...
8	Influenza ...	...	...	...	1	...	...	...	2
14 (1)	Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	1	...	...	...	1
10	Tuberculosis of Respiratory System ...	...	3	2	1	...	1	1	2
11	Other Tuberculous Diseases ...	1	1	...	1	...	...	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease ...	8	6	7	2	5	3	5	3
18	Diabetes Mellitus ...	...	1	...	1	3	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	...	1	2	...	...	2
22	Cerebral Hæmorrhage, &c. ...	6	3	6	3	8	2	7	13
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	3	...	1	...	...	...	2
24	Heart Disease ...	10	10	8	8	11	4	7	3
25	Other Circulatory Diseases ...	2	2	1	...	1	...	...	2
26	Bronchitis ...	3	2	...	2	1	...	1	1
27	Pneumonia (all forms) ...	...	...	2	1	2	1	1	1
28	Other Respiratory Diseases ...	...	1	1	...	1	...	...	...
32 (1)	Gastric and Duodenal Ulcer ...	...	...	...	1	...	...	...	...
29	Diarrhœa, &c. (all Ages) ...	1	2	...	3	...	1	...	2
30	Appendicitis ...	...	...	...	...	...	...	...	1
31 (1)	Cirrhosis of Liver ...	...	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c. ...	...	1	...	1	...	1	...	...
32 (2)	Other Digestive Diseases ...	...	...	...	1	1	...	3	1
33	Acute and Chronic Nephritis ...	1	1	1	1	...	1	...	3
34	Oth. Diseases of Genito-Urinary System	2	...	1	...	...	...	1	...
35	Puerperal Sepsis ...	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ...	...	...	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c. ...	2	2	2	...	5	2	3	...
39	Old Age ...	2	1	...	2	1	1	...	1
40	Suicide ...	2	...	...	...	...	...	...	...
42	Other Violence (41) ...	...	3	2	1	6	3	2	2
43	Causes Ill-defined or Unknown ...	...	1	...	...	...	1	...	...
	All Causes ...	41	44	34	33	48	21	32	44
	AGE AT DEATH.								
	Under 1 ...	3	6	2	3	6	4	3	1
	1-4 ...	...	...	...	...	...	...	1	2
	5-9 ...	...	3	...	...	...	1	...	...
	10-14 ...	...	...	...	...	2	1	...	1
	15-24 ...	1	2	2	1	2	2	1	2
	25-34 ...	2	1	1	1	2	...	2	...
	35-44 ...	1	2	1	2	1	1	2	3
	45-54 ...	5	...	2	3	3	2	1	3
	55-64 ...	8	7	7	8	6	3	7	8
	65-74 ...	11	14	7	7	16	4	9	9
	75-84 ...	8	9	11	8	8	2	6	15
	85 and over ...	2	...	1	...	2	1	...	...
	Not stated ...	...	...	...	...	...	...	...	...
	All Ages ...	41	44	34	33	48	21	32	44

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of September 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* MEAN SEA LEVEL.†	AIR TEMPERATURE.						HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Mean of	Depression of Wet Bulb.	Vapour Pressure.	Humidity. %	Number of Days.	Total Fall.	Inch. inch.	Difference from Average.	Hours per Day.	Per Cent. of Possible.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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North Latitude—Glasgow, 56° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 56'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 19h.
† As from January, 1936, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29.531 mercury inches) and inches.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

AUGUST 1939.

(Not published in August Return.)

Mean barometric pressure, 30.021 inches; greater than the average* by 0.133 inch.

Mean temperature, 59.7° F.; greater by 2.2° F.

Mean daily range of temperature, 13.6° F.; greater by 0.3° F.

Mean daily sunshine, 4.22 hours; less by 0.33 hour.

Rain, depth in inches, 1.81; less by 1.85 inches.

Wind, direction of; a six days' excess of N.E. and east winds.

The principal features of the weather of August were the mild character of the month, the generally deficient rainfall, the abundant sunshine in the west of Scotland and the thunderstorms of the last week.

The extremes of pressure in Edinburgh were 30.32 inches on the 15th and 29.56 inches on the 9th.

Mean temperatures were high everywhere. This was the eighth successive August with a mean temperature above the normal. The warmest days were the 18th, 19th and 28th, when shade temperatures exceeded 70° F. in many places. On the 18th, 78° F. was registered at Perth, Edinburgh, Kelso, Wolfelee and Marchmont, and this maximum was also recorded at Ruthwell on the 19th and at Kilmarnock on the 28th. Nights were warm around the latter date, screen temperatures remaining above 60° F. in many places. The highest night minima reported were 62° F. at Onich and 61° F. at Colmonell, both on the 27th. Rather cool periods occurred in the first week and about the middle of the month, when screen temperatures fell to 40° F. or only slightly above in many places. Much lower readings were reported at high level stations, Dalwhinnie registering 31° F. on the 5th and West Linton 32° F. on the 13th. Some rather low day maxima were registered during the first week. At Aberdeen shade temperature did not rise above 56° F. on the 7th, while maxima of 57° F. were recorded at Dungavel on the 2nd and at Braemar on the 3rd and 8th. Ground frosts occurred at Dalwhinnie on the 5th and 7th.

Sunshine was abundant in the west, where totals were generally well above average. In east and central Scotland there was a deficiency. Tiree and Stornoway headed the list of aggregates with 213 and 204 hours sunshine respectively, the Stornoway total being 76 hours in excess of the normal. Other large aggregates were 186 hours at Duntuilim (Skye) and 173 hours at Forres. The smallest aggregates were 109 hours at Cardross, 117 hours at North Berwick and 118 hours at Boghall near Edinburgh.

Less than the normal rainfall was measured in all areas. The deficiency was greatest in the southern half of Scotland, where most places had rather less than half the normal amount. The largest daily falls reported were 1.45 inch at Glenshiel on the 11th, 1.94 inch at Colmonell and 1.55 inch at Prestwick on the 19th, and 1.60 inch at Gorebridge (Midlothian) on the 27th.

Hail was reported locally on the 10th, 19th and 26th.

Fog of coastal type was experienced on 17 days. It was widespread and persistent in east Scotland from the 21st to the 29th.

No gales occurred. Conditions were in fact unusually quiet.

Thunder was reported on 16 days. In Shetland the first thunderstorm of the summer occurred on the 9th, when heavy rain caused flooding in Lerwick and the neighbouring country. Thunderstorms occurred in all parts of Scotland on the 26th and were severe in the southern counties. At Jedburgh two people were killed by lightning. At Troon heavy rain caused severe flooding. Buildings were struck in Edinburgh and Arbroath. At the latter place flooding occurred to a depth of several feet and telephone services were interrupted.

Aurora was observed on seven nights.

* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 74.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of August 1939.

(Not published in August Return.)

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRECIPITATION.		BRIGHT SUNSHINE.		
			Mean of Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Maximum.	Day of Month.	Minimum.	Day of Month.	Mean of	Number of Days.	Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.
			° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Daily Mean.	Difference from Average.
GLASGOW, Abbottsinch Aerodrome (The Meteorological Office).	19	Mb. inches, 10 1016.3 30.013	67.3	52.3	59.8	+2.7	73	18.23, 24	41	13th	14.5	13	1.47	-2.15	3.85	-0.31
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1016.8 30.025	65.5	53.5	59.5	+2.4	75	18th	49	3, 5, 31	13.9	12	1.36	-1.85	3.95	-0.60
DUNDEE, The Director of Studies, Training College.	147	1016.2 30.010	66.7	50.9	58.8	+1.2	76	18th	43	5th	14.5	11	2.33	-0.94	4.48	-0.22
ABERDEEN, The Meteorological Office.	79	1016.3 30.013	62.6	53.8	58.2	+2.0	69	14th	47	5th	14.2	10	1.31	-1.43	4.11	-0.39
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1016.5 30.019	67.7	54.3	61.0	+2.5	76	18th	46	13th	14.8	12	2.00	-1.91	4.09	-0.34
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1016.8 30.025	66.2	54.5	60.3	+2.8	73	18th	49	3, 6, 9	13.9	11	1.79	-3.35	4.42	..
KIRKCALDY, The Medical Office of Health.	137	..	66.0	52.5	59.3	+1.2	76	18th	45	13, 17	15.2	10	1.31	..	4.37	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	69.2	52.2	60.7	+2.8	78	28th	44	13th	15.2	12	2.39	-1.53	4.63	+0.27
AYR, The Medical Office of Health.	43	..	66.3	53.1	59.7	..	72	14, 21, 26	47	3, 5	15.3	9	2.82	..	4.45	..
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	66.0	52.5	59.3	..	75	18th	45	13th	14.4	11	1.39	..	4.05	..
PERTH, J. RITCHIE, The Museum.	76	1017.4 30.043	68.1	51.9	60.0	+2.3	78	18th	42	9, 13	14.1	10	1.75	-1.62	3.97	-0.74
Means	147	1016.6 30.021	66.5	52.9	59.7	+2.2	..	..	..	..	14.5	11	1.81	-1.85	4.22	-0.33

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.
† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45° and pressure is expressed in millibars (1000 millibars = 29.531 inches).

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE

By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/25, 500. 10/89. J. S. & Co. Ltd. Group 157 (1933).

S.O. Code No. 49-9999.

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MONTHLY RETURN
OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND
MARRIAGES

Registered in sixteen of the Principal Towns

October, 1939

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of October 1939 the births (corrected for transfer to place of usual residence) of 3,753 living children; of whom 1,943 were males and 1,810 were females. Compared with the number in the previous month the living births were 193 more, male births being 117 more and female births 76 more. The monthly birth-rate in these towns taken collectively was 17·2 per thousand. This rate is 0·4 more than that for the previous month but is 0·4 below the five years' average.

In the individual towns the monthly birth-rate ranged from 20·0 in Hamilton, 19·3 in Coatbridge and 18·7 in Glasgow, to 15·2 in Dundee, 14·2 in Edinburgh and 11·7 in Ayr. In Clydebank the rate was 18·6, in Greenock 18·3, in Kilmarnock and in Perth 17·8, in Motherwell and Wishaw 17·3, in Paisley 17·2, in Aberdeen 17·1, in Dunfermline 17·0, and in Kirkealdy and in Falkirk 15·3.

Of the 3,753 living children whose births were registered during the month, 3,549 or 94·6 per cent. were legitimate, while 204 or 5·4 per cent. were illegitimate. The legitimate children numbered 143 more than in the previous month and the illegitimate children 50 more. The illegitimate percentage for the month is 1·1 above that for the previous month. In the individual towns it ranged from 9·5 in Coatbridge, 7·4 in Dunfermline and 7·0 in Motherwell and Wishaw, to 2·6 in Clydebank, 2·4 in Ayr and 2·0 in Falkirk. In Glasgow the rate was 5·5 and in Edinburgh 5·6.

Marriages.—Marriages registered during the month numbered 3,022 and are 1,193 fewer than in the previous month. The marriage-rate, 13·8 per thousand, is 6·1 below that for the previous month but 5·6 above the average. It is the highest marriage-rate recorded in these towns for the month of October in any year. In the individual towns it ranged from 17·7 in Aberdeen, 16·5 in Perth and 15·1 in Dundee, to 8·9 in Greenock, 8·7 in Motherwell and Wishaw and 5·5 in Coatbridge. In Glasgow the rate was 14·4 and in Edinburgh 13·9. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.*

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EDINBURGH

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Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,842, of which 1,518 were of males and 1,324 were of females. This number is 464 more than in the previous month, males being 241 more and females 223 more.

The monthly death-rate in these towns taken collectively was 13·0 per thousand, being 1·8 above that for the previous month and 1·3 above the average. In the towns taken individually the death-rate ranged from 15·4 in Paisley, 15·1 in Dundee and 14·3 in Greenock and in Ayr, to 10·4 in Coatbridge, 10·3 in Clydebank and 9·2 in Dunfermline. In Edinburgh it was 13·3, in Glasgow 13·1, in Hamilton 11·9, in Aberdeen and in Motherwell and Wishaw 11·8, in Kilmarnock 11·7, in Falkirk 11·6, in Perth 11·0 and in Kirkcaldy 10·9.

Deaths of children aged less than one year numbered 317 and equalled an infantile mortality rate of 80 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 67 more than in the previous month, while the rate is 15 more than in that month and 4 above the average. In the individual towns this rate ranged from 113 in Dundee, 110 in Clydebank and 104 in Perth, to 47 in Kilmarnock and 18 in Ayr and in Dunfermline. In Motherwell and Wishaw it was 101, in Falkirk 98, in Glasgow 91, in Greenock 85, in Hamilton 81, in Kirkcaldy 66, in Edinburgh 60, in Coatbridge 56 and in Aberdeen and in Paisley 55.

Causes of Death.—Deaths from the principal epidemic diseases numbered 56 and equalled a death-rate of 0·3 per thousand. These deaths are 18 more than in the previous month and the rate is 0·1 more. They include none from typhoid fever, none from measles, 1 from scarlet fever, 5 from whooping-cough, 23 from diphtheria, 11 from influenza, 3 from cerebro-spinal fever, and 13 from other epidemic diseases, 7 of which were ascribed to dysentery, 3 to lethargic encephalitis, 2 to erysipelas and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from scarlet fever are the same, from whooping-cough the same, from diphtheria 11 more, from influenza 3 more, from cerebro-spinal fever 2 fewer and from other epidemic diseases 7 more. In the previous month 1 death was registered from typhoid fever.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 276 and equalled a death-rate of 1·3 per thousand. Compared with the number in the previous month these deaths are 87 more, while the rate is 0·4 more but is 0·1 below the average.

Deaths from all forms of tuberculosis numbered 169, of which 140 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 21 more, and those from respiratory tuberculosis 25 more. Compared with the average the former are 17 more and the latter 22 more.

METEOROLOGICAL NOTES.

supplied by the Meteorological Office, Edinburgh.

OCTOBER 1939.

Mean barometric pressure, 29·999 ins.; greater than the average* by 0·122 ins.

Mean temperature, 46·0° F.; less by 2·0° F.

Mean daily range of temperature, 13·0° F.; greater by 1·7° F.

Mean daily sunshine, 3·27 hours; greater by 0·33 hour.

Rain, depth in inches, 2·47; less by 0·53 inch.

Wind, direction of; a six days' excess of north and N.E. winds.

Features of the weather of October were the abundant sunshine and exceptionally small rainfall in the west, contrasting with an area of deficient sunshine in the south-east and rather heavy precipitation in central districts. Over Scotland as a whole it was the coolest October since 1932. The extremes of pressure in Edinburgh were 30·33 inches on the 19th and 29·51 inches on the 5th.

* The averages of normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1906-35.

In the extreme north and north-west mean temperatures differed little from the normal, but over the greater part of Scotland the month was a cool one. At several places in the south and south-west mean temperatures were more than 3° F. below normal. The warmest days were the 6th and 7th, when shade temperatures rose to 60° F. or slightly above in many places. The highest reading reported was 65° F. at Kilmarnock on the 7th; 64° F. was reported at Onich on the 6th and 7th and at Newton Stewart and Auchincruive on the latter date. The coldest nights were the 18th and 28th, when sharp frost occurred in inland districts. Extreme screen minimum temperatures on the 18th were 20° F. at Braemar, 21° F. at Dalwhinnie and 23° F. at Balmoral; on the 28th the lowest readings reported were 25° F. at Strathy, Perth, Prestwick and Kilmarnock. Ground frosts were registered in one place or other on every night except the 13th, 14th and 23rd. A thermometer exposed over grass at Auchincruive registered 12° F. (20 degrees of frost) on the 28th. Other low grass minima were 14° F., also at Auchincruive, on the 29th, and 15° F. at Dalwhinnie and Braemar on the 18th and at West Linton on the 20th.

Sunshine was abundant in western districts and exceeded the normal over most of the country. There was, however, an appreciable lack of sunshine in the south-east and at Dundee. Slight deficiencies were also reported at Montrose and Banff. Duntulm (Skye) and Oban had the large aggregates of 150 and 146 hours' sunshine respectively, followed by Stornoway and Kilmarnock, each with 134 hours, and Dumfries with 131 hours. The smallest aggregates were 77 hours at Marchmont, 79 hours at North Berwick, 80 hours at Dundee and 83 hours at Dunbar.

Over the greater part of Scotland rainfall was below normal. The deficiency was most marked in the Western Highlands, where some stations had less than a quarter of their normal precipitation. Some new low records were set up in the west for the three months August to October. Fort William had only 8.81 inches of rain in the quarter, the previous lowest total for this period being 8.88 inches in 1915. In east Scotland and over a large part of the central area the rainfall of October exceeded the normal. Braemar had almost double its average amount. The wettest days were the 9th and 10th. Falls exceeding an inch occurred on both these dates in all districts. The lowest measurements reported on the 9th were 2.85 inches at Ardvorlich near Lochearnhead, 2.70 inches at Edinchip, also near Lochearnhead, and 2.61 inches at Dall Avon near Aberfeldy. On the 10th the lowest falls were 2.70 inches at Glenbranter and also at Forrest Lodge, Dalry, and 2.38 inches at Kinnell Gardens, Killin. Other outstanding daily falls were 1.91 inches at Balnaboth (Glen Prosen) and 1.54 inches at Drum Castle on the 5th, 2.90 inches at Kingairloch on the 7th, 1.61 inches at Kippen on the 8th, 1.94 inches at Balnaboth and 1.74 inches at Bridge of Dye on the 11th, 1.72 inches at Cawdor on the 14th and 1.80 inches at Kinlochquoich on the 22nd.

Snow was reported from high level stations on 11 days. On the 24th and 25th there were widespread falls over practically the whole of the central areas. Hail fell locally on 11 days.

Fog, mainly of coastal type, was reported locally on all but three days. It was of frequent occurrence in the Clyde area.

Winds were generally from the north-east and reached gale force in coastal districts on 9 days. On the Bell Rock gusts up to 77 and 67 miles per hour were registered on the 10th and 26th respectively.

Thunder was reported at one place or other on the 11th, 25th, 26th and 27th. Reports were fairly numerous and widespread on the 11th.

Aurora was observed on 18 nights. It was exceptionally frequent at Lerwick, where it was observed on 16 out of the first 20 nights. There was an outstanding display on the 3rd, of which Mr. Seton Gordon has written:—"The whole of the heavens from horizon to horizon seemed to be in motion and alive, and the light of the moon failed to diminish the grandeur of this spectacle." The display was seen at many places in the south of Scotland and at Foynes in County Limerick. Another fine display occurred on the 13th, and this also was seen at Foynes.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 82.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, October 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.			REGISTERED.			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
										Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . . .	1,093,337	1,131,600	1794	940	854	1696	98	79	1384	1347	737	610	147	56	1256
EDINBURGH, . .	439,010	473,200	569	307	262	537	32	24	560	581	309	272	80	33	534
DUNDEE, . . .	175,681	178,200	230	129	101	216	14	13	229	219	114	105	10	20	229
ABERDEEN, . . .	169,803	179,400	261	119	142	249	12	8	270	209	98	111	32	3	180
PAISLEY, . . .	86,445	91,700	184	70	64	129	5	5	98	120	67	53	13	13	120
GREENOCK, . . .	79,012	81,600	127	63	64	110	8	7	62	105	58	47	9	3	99
MOTHERWELL AND WISHAW, .	65,611	67,900	100	49	51	93	7	3	50	60	30	30	4	12	68
CLYDEBANK, . . .	46,991	48,000	76	36	40	74	2	1	37	27	19	8	2	17	42
KIRKCALDY, . . .	44,559	46,300	60	28	32	56	4	4	50	41	21	20	3	5	43
COATBRIDGE, . . .	43,312	45,300	74	33	36	67	7	5	21	34	17	17	3	9	40
KILMARNOCK, . . .	38,681	40,300	61	32	29	58	3	3	36	40	19	21	5	5	40
HAMILTON, . . .	33,112	39,500	67	31	36	64	3	2	40	34	16	18	3	9	49
AYR,	38,905	41,100	41	16	25	40	1	3	52	54	32	22	13	9	50
FALKIRK, . . .	36,566	38,400	50	31	19	49	1	2	42	50	27	23	14	2	38
DUNFERMLINE, . .	35,058	37,300	54	25	29	50	4	..	40	47	27	20	20	2	29
PERTH,	35,051	36,400	55	29	26	52	3	..	51	48	27	21	16	2	34
TOTAL (SIXTEEN TOWNS)	2,466,134	2,576,200	3753	1943	1810	3549	204	159	3022	3016	1618	1398	374	200	2842

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, October 1939.

TOWNS.	Birth-Rate (living children) per 1000 of Population.	Illegitimate Birth-Rate (living children) per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	13.7	5.5	14.4	14.0	13.1	0.2	0.9	0.7	1.5	169	91
EDINBURGH, . .	14.2	5.6	13.9	14.5	13.3	0.4	0.5	0.4	1.0	38	60
DUNDEE, . . .	15.2	6.1	15.1	14.5	15.1	0.3	0.9	0.8	0.8	27	113
ABERDEEN, . .	17.1	4.6	17.7	13.7	11.8	0.1	0.4	0.4	0.8	14	55
PAISLEY, . . .	17.2	3.7	12.6	15.4	15.4	0.6	1.0	0.9	1.4	8	55
GREENOCK, . . .	18.3	6.3	8.9	15.1	14.3	..	1.0	0.9	1.7	12	85
MOTHERWELL AND WISHAW, .	17.3	7.0	8.7	10.4	11.8	0.5	1.0	0.9	1.4	11	101
CLYDEBANK, . .	13.6	2.6	9.1	6.6	10.3	..	0.7	0.7	1.5	8	110
KIRKCALDY, . .	15.3	6.7	12.7	10.4	10.9	..	0.5	0.3	0.5	4	66
COATBRIDGE, . .	19.3	9.5	5.5	8.8	10.4	0.3	0.5	0.5	1.0	5	56
KILMARNOCK, . .	17.3	4.9	10.5	11.7	11.7	..	1.2	1.2	0.6	3	47
HAMILTON, . . .	20.0	4.5	11.9	10.1	11.9	..	0.6	0.6	1.2	6	81
AYR,	11.7	2.4	14.9	15.5	14.3	..	0.6	0.6	2.0	1	18
FALKIRK, . . .	15.3	2.0	12.9	15.3	11.6	..	0.6	0.3	1.2	5	93
DUNFERMLINE, .	17.0	7.4	12.6	14.8	9.2	..	..	..	0.6	1	18
PERTH,	17.3	5.5	16.5	15.5	11.0	0.3	0.3	..	1.3	5	104
TOTAL (SIXTEEN TOWNS)	17.2	5.4	13.8	13.3	13.0	0.3	0.8	0.6	1.2	317	80

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for October 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
OCT. 1939.	17.2	5.4	13.8	13.0	0	0	1	5	23	11	3	13	80	46° 0
OCT. 1938.	17.2	5.0	8.7	11.6	2	0	1	9	23	5	3	7	64	49° 7
OCT. 1937.	16.3	5.9	7.3	11.3	0	3	3	8	22	19	4	16	73	48° 5
OCT. 1936.	17.7	5.9	7.5	12.6	2	5	5	19	20	14	7	15	90	48° 6
OCT. 1935.	18.3	6.2	8.8	11.7	1	7	6	3	12	20	6	13	76	47° 4
OCT. 1934.	18.2	6.2	8.7	11.5	1	8	9	17	23	8	7	10	77	48° 6
OCT. 1933.	16.4	5.7	8.3	11.7	5	0	16	7	20	14	6	15	81	49° 5
OCT. 1932.	17.8	6.3	7.6	11.8	0	1	12	9	12	19	11	12	74	46° 0
OCT. 1931.	19.9	5.7	6.7	11.3	2	70	5	10	12	17	9	16	71	47° 8
OCT. 1930.	20.5	6.4	7.2	11.7	0	5	6	17	21	16	9	19	74	48° 8
OCT. 1929.	19.2	7.2	8.1	13.0	0	7	3	8	35	22	13	10	84	47° 2

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over			
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	-	5	4	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	23	10	13	1	15	6	-	-	1	-	-	-	-	-	-	-	-	-
8	Influenza -	11	7	4	-	-	-	-	-	-	-	-	-	7	3	1	-	-	-
14 (1)	Cerebro-spinal Fever -	3	2	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	13	5	8	-	2	-	1	-	1	2	2	1	2	2	-	-	-	-
10	Tuberculosis of Respiratory System -	146	82	58	-	1	-	1	40	35	27	17	13	4	2	-	-	-	-
11	Other Tuberculous Diseases -	29	16	13	3	7	4	2	6	2	2	-	2	-	1	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	12	7	5	3	-	-	-	1	1	-	3	1	2	1	-	-	-	-
15	Cancer, Malignant Disease -	340	175	165	-	1	-	-	1	7	18	47	99	114	46	7	-	-	-
18	Diabetes Mellitus -	29	11	18	-	1	-	-	-	-	1	2	9	12	4	-	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	54	21	33	1	-	3	2	5	4	4	6	11	14	3	1	-	-	-
22	Cerebral Hemorrhage, &c. -	278	118	160	-	1	-	-	-	1	4	15	66	99	74	18	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	60	33	27	7	5	1	2	7	5	3	8	11	6	4	1	-	-	-
24	Heart Disease -	698	376	322	-	-	1	1	2	6	28	68	119	232	194	47	-	-	-
25	Other Circulatory Diseases -	50	28	22	-	1	-	1	-	-	2	4	7	13	17	4	-	-	-
26	Bronchitis -	116	69	47	6	-	-	-	2	1	4	13	24	33	25	8	-	-	-
27	Pneumonia (all forms) -	132	71	61	34	11	3	-	-	2	4	10	21	24	16	3	-	-	-
28	Other Respiratory Diseases -	23	45	13	1	1	-	1	-	-	1	5	3	9	6	1	-	-	-
32 (1)	Gastric and Duodenal Ulcer -	28	26	2	-	-	-	-	1	-	7	8	10	1	1	-	-	-	-
29	Diarrhoea, &c. (all ages) -	107	67	40	83	8	3	-	1	-	1	-	2	6	3	-	-	-	-
30	Appendicitis -	17	11	6	-	2	1	1	1	4	2	3	1	1	1	-	-	-	-
31 (1)	Cirrhosis of Liver -	11	6	5	-	-	-	-	-	-	1	4	3	1	2	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	6	2	4	-	1	-	-	-	-	2	-	3	-	-	-	-	-	-
32 (2)	Other Digestive Diseases -	44	20	24	7	1	1	-	1	4	4	4	9	8	5	-	-	-	-
33	Acute and Chronic Nephritis -	68	20	48	-	-	-	-	-	2	3	15	16	13	10	4	-	-	-
34	Other Dis. of Genito-Urinary System -	45	35	12	1	1	-	-	-	1	6	3	5	20	6	2	-	-	-
35	Puerperal Sepsis -	-	-	7	-	-	-	-	-	7	7	-	-	-	-	-	-	-	-
36	Other Puerperal Causes -	18	-	18	-	-	-	-	-	1	10	7	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	14	7	7	1	2	-	1	-	2	2	2	2	2	-	-	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	166	97	69	164	1	-	-	1	-	-	-	-	-	-	-	-	-	-
39	Old Age -	71	22	49	-	-	-	-	-	-	-	-	-	12	37	22	-	-	-
40	Suicide -	21	13	8	-	-	-	-	-	1	4	2	4	6	4	-	-	-	-
42	Other Violence (41) -	172	125	47	2	12	13	2	8	15	23	20	28	23	18	3	-	-	-
43	Causes Ill-defined or Unknown -	25	19	6	1	1	-	-	-	2	2	6	9	3	-	1	-	-	-
ALL CAUSES -		2842	1518	1324	317	80	36	16	82	119	162	269	489	671	479	122			

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	..	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	1	1	...	...	...	...	...	...	...
6	Whooping-cough	5	1	2	1	...	...	...	1	...
7	Diphtheria	23	13	3	...	1	4	...	1	...
8	Influenza	11	6	2	1	...	1	...	1	...
14 (1)	Cerebro-spinal Fever	3	1	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	13	2	8	3	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	140	71	18	12	6	7	6	5	3
11	Other Tuberculous Diseases	29	17	4	2	...	1	1	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	12	7	3	...	...	...	1	...	...
15	Cancer, Malignant Disease	340	136	79	28	18	18	6	5	4
18	Diabetes Mellitus	29	9	5	3	3	2	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	54	25	13	2	6	3	...	...	...
22	Cerebral Hæmorrhage, &c.	278	103	60	28	21	6	12	7	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	60	13	10	6	6	4	6	4	3
24	Heart Disease	698	300	144	61	52	32	17	14	7
25	Other Circulatory Diseases	50	21	10	1	2	5	4	...	...
26	Bronchitis	116	63	13	2	5	7	7	4	2
27	Pneumonia (all forms)	132	75	21	7	4	3	3	4	4
28	Other Respiratory Diseases	28	8	6	3	3	1	2	...	...
32 (1)	Gastric and Duodenal Ulcer	28	11	6	4	1	...	1	...	1
29	Diarrhoea, &c. (all Ages)	107	67	6	6	3	1	5	5	1
30	Appendicitis	17	6	3	1	3	1	1	1	...
31 (1)	Cirrhosis of Liver	11	3	1	1	3	...	1	...	1
31 (2)	Other Diseases of Liver, &c.	6	1	1	...	...	1	...	1	...
32 (2)	Other Digestive Diseases	44	27	4	3	2	1	3	1	...
33	Acute and Chronic Nephritis	68	32	7	8	6	3	1	3	1
34	Oth. Diseases of Genito-Urinary System	45	20	11	3	5	2	2	1	...
35	Puerperal Sepsis	7	4	...	...	...	1	...	...	...
36	Other Puerperal Causes	16	8	4	...	...	1	...	...	1
37	Dis. of Skin, and of Locomotor System	14	5	4	1	1	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	166	80	25	16	9	5	6	2	6
39	Old Age	71	30	12	7	7	...	3	1	2
40	Suicide	2*	6	8	2	1	...	...	...	1
42	Other Violence (41)	172	75	34	16	11	8	8	4	1
43	Causes Ill-defined or Unknown	25	9	6	1	1	2	2	1	1
	All Causes	2842	1256	534	229	180	120	99	68	42
	AGE AT DEATH.									
	Under 1	317	169	38	27	14	8	12	11	8
	1-4	80	44	8	6	1	6	5	1	...
	5-9	36	16	9	2	1	3	2	1	...
	10-14	16	11	1	2	...	...	...	...	...
	15-24	82	43	11	4	1	6	3	5	1
	25-34	119	54	17	9	8	6	5	4	1
	35-44	162	80	26	14	5	6	1	9	2
	45-54	260	130	48	21	11	12	9	6	6
	55-64	469	214	86	41	32	20	14	7	14
	65-74	671	267	142	50	55	34	22	18	6
	75-84	479	187	115	44	35	16	21	5	2
	85 and over	122	41	33	9	17	3	5	1	2
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2842	1256	534	229	180	120	99	68	42

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	1	...	...	...	...	...	...
8	Influenza ... ..	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	2	4	2	2	1	...	...
11	Other Tuberculous Diseases	1	...	...	...	...	1	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	1	...	...
15	Cancer, Malignant Disease	5	8	6	3	9	4	1	10
18	Diabetes Mellitus ... ..	...	2	...	...	2	1	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	2	...	...	...	2	1	...
22	Cerebral Hæmorrhage, &c.	7	2	5	4	4	6	4	7
23 -	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	2	1	1	2	...	1	...
24	Heart Disease	8	7	13	11	10	10	10	2
25	Other Circulatory Diseases	1	...	1	1	2	...	1	1
26	Bronchitis	2	2	...	3	1	3	...	2
27	Pneumonia (all forms) ... ..	...	2	1	1	4	...	2	1
28	Other Respiratory Diseases ... ..	...	...	1	...	2	1	...	1
32 (1)	Gastric and Duodenal Ulcer	1	...	...	...	2	1	...	...
29	Diarrhœa, &c. (all Ages)	1	1	2	4	...	3	...	2
30	Appendicitis ... ..	...	...	...	...	1	...	...	...
31 (1)	Cirrhosis of Liver	1	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	2	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	...	1	1	...	...	...	1
33	Acute and Chronic Nephritis	1	1	...	2	2	...	...	1
34	Oth. Diseases of Genito-Urinary System	...	...	...	...	1	...	...	...
35	Puerperal Sepsis ... ..	...	2	...	...	...	...	...	...
36	Other Puerperal Causes	1	1	...	...	1	...	1	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	4	3	2	3	...	1	1	3
39	Old Age	4	...	3	...	1	...	1	...
40	Suicide	1	...	...	...	...	1	1	...
42	Other Violence (41)	3	2	...	3	1	1	4	1
43	Causes Ill-defined or Unknown ... ..	...	...	...	1	...	1	...	...
	All Causes	43	40	40	40	50	38	29	34
	AGE AT DEATH.								
	Under 1	4	5	3	6	1	5	1	5
	1- 4	2	1	...	1	3	2	...	...
	5- 9 ... ..	...	...	1	...	...	1	...	...
	10-14 ... ..	...	...	...	...	1	1	...	...
	15-24 ... ..	...	1	...	2	3	1	1	...
	25-34 ... ..	...	6	3	2	2	...	1	1
	35-44	6	2	3	3	3	...	1	1
	45-54	3	4	4	1	6	1	3	4
	55-64	8	7	8	9	10	12	5	2
	65-74	9	9	11	7	11	11	7	12
	75-84	9	5	7	6	8	3	9	7
	85 and over	2	...	...	3	2	1	1	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	43	40	40	40	50	38	29	34

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of October 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.		
			Mean of		Absolute Maximum and Minimum.			Mean of		Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.			
			Maximum (A.)	Minimum (B.)	Difference from Average.	Day of Month.	Maximum.	Day of Month.	Dry Bulb.					Depression of Wet Bulb.	Vapour Pressure.	Humidity.
feet.	Mb.	inches.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	Mb.	%	inch.	inch.	Daily Mean.		
GLASGOW. Abbotsinch Aerodrome* (The Meteorological Office).	19	1015.3	29.933	53.2	37.5	-2.4	45.3	43.7	1.3	8.5	86	12	2.50	-0.33	2.97	29
EDINBURGH. The Astronomer Royal for Scotland, Royal Observatory.	441	1015.8	29.936	50.6	41.6	-1.9	46.1	45.4	2.1	8.6	83	16	1.99	-0.75	2.89	28
DUNDEE. The Director of Studies, Training College.	147	1015.5	29.939	52.1	38.9	-1.8	45.5	46.3	2.3	8.8	82	21	3.49	+0.89	2.58	25
ABERDEEN, The Meteorological Office.	79	1015.5	30.018	50.5	41.6	-1.6	46.1	45.5	2.5	8.3	81	22	3.09	+0.69	3.51	34
PAISLEY. JOHN WOODROW, The Coats Observatory.	106	1015.5	29.939	53.6	40.1	-2.3	46.3	45.4	2.0	8.7	84	13	2.61	-1.13	2.80	27
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1015.7	29.934	52.2	42.2	-1.2	47.2	45.3	2.0	8.6	84	14	3.63	-1.45	3.29	32
KIRKCALDY, The Medical Office of Health.	137	..	..	52.5	39.8	-2.8	48.1	47.1	1.5	9.7	88	17	2.10	..	3.18	31
KILMARNOCK, W. DUNBAR, C.E.	122	..	..	54.5	36.2	-3.0	45.3	45.8	1.7	9.0	87	11	1.30	-2.21	4.33	42
AYR, The Medical Office of Health.	43	..	..	53.5	37.5	..	45.5	44.2	1.3	8.9	89	8	0.64	..	4.17	40
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	51.7	40.4	..	46.1	46.1	2.0	8.9	84	15	1.63	..	3.25	31
PERTH, J. RITCHIE, The Museum.	76	1015.8	30.025	55.7	38.8	-1.2	46.3	43.6	1.1	8.4	91	13	4.22	+1.27	3.02	29
Means	147	1015.9	29.939	52.5	39.5	-2.0	46.0	45.2	1.8	8.8	85	15	2.47	-0.53	3.27	32
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 57'; Mean, 3° 36'.																

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 56° 56'; Perth, 56° 24'; Mean, 56° 14'.

West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 53'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in millibars (1000 millibars = 29.531 mercury inches) and inches.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/26. 500. 11/39. J. S. & Co. LTD. Group 157 (1933).

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MONTHLY RETURN OF THE REGISTRAR-GENERAL Scotland BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

November, 1939

REPORT

THIS monthly return is remarkable from the fact that it reveals several records in the figures contained in this series of return.

It shows the lowest birth-rate ever recorded in any month since registration was inaugurated in Scotland over eighty years ago.

Comparison of the figures in the return with those for the month of November in previous years shows not only the lowest general death-rate, but also the lowest death-rate from respiratory diseases and the lowest infantile mortality rate.

The marriage-rate is the highest recorded for the month of November since 1920.

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of November 1939 the births (corrected for transfer to place of usual residence) of 3,339 living children, of whom 1,729 were males and 1,610 were females, and of 156 still-born children. Compared with the number in the previous month the living births were 414 fewer, male births being 214 fewer and female births 200 fewer. The monthly birth-rate in these towns taken collectively was 15.8 per thousand. This rate is 1.4 less than that for the previous month and is 1.6 below the five years' average. It is the lowest birth-rate recorded in these Reports for any month in any year. The births of still-born children correspond to a rate of 45 per thousand total births registered (including still-born). This rate is 4 above that for the previous month.

In the individual towns the monthly birth-rate ranged from 24.2 in Coatbridge, 22.2 in Hamilton and 17.6 in Motherwell and Wishaw, to 13.7 in Clydebank, 12.9 in Kirkealdy and 12.7 in Falkirk. In Paisley it was 17.2, in Glasgow and in Greenock 16.2, in Dundee and in Perth 16.0, in Aberdeen and in Dunfermline 15.3, in Ayr 14.8, in Kilmarnock 14.2 and in Edinburgh 13.9.

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.*

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Of the 3,339 living children whose births were registered during the month, 3,146 or 94·2 per cent. were legitimate, while 193 or 5·8 per cent. were illegitimate. The legitimate children numbered 403 fewer than in the previous month and the illegitimate children 11 fewer. The illegitimate percentage for the month is 0·4 above that for the previous month. In the individual towns it ranged from 11·0 in Greenock, 8·4 in Aberdeen and 8·0 in Ayr, to 2·2 in Coatbridge, 1·0 in Motherwell and Wishaw and 0 in Kilmarnock. In Glasgow the rate was 5·8 and in Edinburgh 6·7.

Marriages.—Marriages registered during the month numbered 1,981 and are 1,041 fewer than in the previous month. The marriage-rate, 9·4 per thousand, is 4·4 below that for the previous month but 2·6 above the average. It is the highest marriage-rate recorded for November in any year since 1920. In September this rate was 19·9 and in October 13·8. In the individual towns it ranged from 12·7 in Ayr, 12·0 in Perth and 11·7 in Dunfermline, to 4·4 in Falkirk, 3·8 in Coatbridge and 3·3 in Clydebank. In Glasgow the rate was 10·4 and in Edinburgh 8·7. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,654, of which 1,409 were of males and 1,245 were of females. This number is 188 fewer than in the previous month, males being 109 fewer and females 79 fewer.

The monthly death-rate in these towns taken collectively was 12·5 per thousand, being 0·5 below that for the previous month and 1·3 below the average. It is the same as that for November of last year, which was the lowest recorded for November in this series of Reports. In the towns taken individually the death-rate ranged from 16·7 in Hamilton, 15·1 in Greenock and 14·9 in Paisley, to 11·2 in Ayr, 9·9 in Clydebank and 8·6 in Falkirk. In Motherwell and Wishaw it was 14·1, in Coatbridge 13·2, in Edinburgh 12·9, in Dundee 12·8, in Glasgow 12·3, in Kirkealdy and in Kilmarnock 11·8, in Aberdeen 11·6 and in Dunfermline and in Perth 11·4.

Deaths of children aged less than one year numbered 262 and equalled an infantile mortality rate of 69 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. It is the lowest rate recorded for the month of November in this series of Reports. These deaths are 55 fewer than in the previous month, while the rate is 11 less than in that month and 29 below the average. In the individual towns this rate ranged from 149 in Perth, 143 in Paisley and 114 in Motherwell and Wishaw and in Coatbridge, to 53 in Edinburgh and 48 in Dundee and in Kilmarnock. In Kirkealdy it was 105, in Greenock 104, in Hamilton 97, in Dunfermline 93, in Clydebank 87, in Glasgow and in Falkirk 61 and in Aberdeen and in Ayr 57.

Causes of Death.—Deaths from the principal epidemic diseases numbered 59 and equalled a death-rate of 0·3 per thousand. These deaths are 3 more than in the previous month. They include 1 from typhoid fever, none from measles, 1 from scarlet fever, 3 from whooping-cough, 25 from diphtheria, 12 from influenza, 7 from cerebro-spinal fever, and 10 from other epidemic diseases, 6 of which were ascribed to erysipelas, 3 to dysentery and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from scarlet fever the same, from whooping-cough 2 fewer, from diphtheria 2 more, from influenza 1 more, from cerebro-spinal fever 4 more, and from other epidemic diseases 3 fewer.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 298 and equalled a death-rate of 1·4 per thousand. It is the lowest rate recorded for the month of November in this series of Reports. Compared with the number in the previous month these deaths are 22 more, while the rate is 0·1 more but is 0·9 below the average.

Deaths from all forms of tuberculosis numbered 175, of which 143 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 6 more and those from respiratory tuberculosis 3 more. Compared with the average the former are the same but the latter 4 more.

METEOROLOGICAL NOTES.

supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1939.

Mean barometric pressure, 29·649 ins.; less than the average* by 0·201 in.

Mean temperature, 44·7° F.; greater by 2·7° F.

Mean daily range of temperature, 10·1° F.; greater by 0·2° F.

Mean daily sunshine, 1·31 hours; less by 0·42 hour.

Rain, depth in inches, 6·13; greater by 2·93 inches.

Wind, direction of: a six days' excess of S. and S.W. winds.

November was mild and dull with some severe gales—especially that of the 26th—an excessive rainfall and a lack of sunshine.

Mean temperature was everywhere above the seasonal normal. The excess was small in the extreme north, but amounted to nearly 4° F. in the Clyde area and at Fort William. The warmest days were from the 7th to the 13th, but some relatively high temperatures were also recorded in the south of Scotland on the 29th and 30th. The highest readings reported were 60° F. at Cupar on the 7th, 59° F. at Troon on the 11th and 58° F. at Dunbar on the 7th. There were no very cold days, and at some places in the south and west the screen thermometer did not register a single frost. Even at Dalwhinnie air temperature did not fall below 26° F., which value was registered on the 12th; 26° F. was recorded also at Logie Coldstone on the 29th, while 27° F. occurred at Edinburgh (Liberton) on the 17th, at Balmoral on the 25th and 29th and at Braemar on the 28th and 29th. Ground frosts were registered in one place or other on 24 nights. The lowest readings of thermometers exposed on grass were 19° F. at Aberdeen on the 29th and 20° F. at several east coast towns on various dates between the 24th and 29th.

There was a lack of sunshine in all districts, the deficiency being most marked in the south-west. The largest aggregates were 65 hours at Craibstone, 63 hours at St. Andrews and 60 hours at Forres and Stonehaven. Less than 20 hours' sunshine were registered in some places, Oban and Prestwick each having 18 hours. Fort William and Fort Augustus had aggregates of only 15 and 17 hours respectively, but winter sunshine at these places is somewhat restricted by the surrounding high land.

Rainfall exceeded the normal everywhere except in an area extending south and west of the Moray Firth, where totals were slightly below normal. Some stations in the south-western counties had more than twice the average. Precipitation was remarkable for persistency rather than intensity, many places having rain on every day in the month. Daily falls exceeding an inch were numerous and occurred in all districts, but only a few stations recorded daily falls over two inches. The largest daily measurements, all on the 30th, were 2·44 inches at Ardtornish, 2·13 at Brech-choillie and 2·12 at Inveraray. Other large falls were 2·02 inches at Castle Kennedy on the 7th, 1·99 inches at Auchen Castle (Dumfriesshire) and 1·82 inches at Glen Afton on the 8th, 1·80 inches at Kinlochquoich on the 13th, 1·90 inches at Glencroe, Arrochar, on the 14th, 2 inches at Kinlochquoich on the 18th, 1·78 at Muirshiel and 1·75 at Kaim Dam, both near Lochwinnoch, on the 25th.

Little snow fell during the month but light falls were reported locally on 12 days—mostly in the last week. Hail also occurred locally on 12 days.

Fog was far less persistent than is usual in November. It was fairly widespread in the south of Scotland on the 5th and was reported locally on 18 other days.

Gales were frequent and occurred altogether on 22 days. The westerly gale on the 26th was of unusual severity over the whole of Scotland. Wind attained a mean speed of more than 50 miles per hour at places as far separated as Stornoway and the Bell Rock. Extreme gusts registered at these two stations were 77 and 75 miles per hour respectively.

Thunder was reported at one place or other on 11 days. A storm in Skye on the 6th was accompanied by huge hailstones.

Aurora was observed at some northern stations on the 11th, 12th, 13th, 15th and 17th.

* The averages of normals in the case of pressure and rainfall refer to the period 1831-1915 and in the case of temperature and sunshine to the period 1906-35.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 90.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, November 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
										Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . . .	1,093,337	1,131,600	1507	776	731	1420	87	79	964	1234	659	575	143	57	1143
EDINBURGH, . .	459,010	473,200	539	294	245	503	36	27	339	557	293	259	85	29	501
DUNDEE, . . .	175,631	178,200	234	115	119	218	16	6	130	191	93	98	13	9	187
ABERDEEN, . . .	169,803	179,400	225	114	111	206	19	6	171	212	104	108	45	4	171
PAISLEY, . . .	86,445	91,700	130	71	59	127	3	10	61	112	71	41	14	14	112
GREENOCK, . . .	79,012	81,600	109	50	59	97	12	6	47	98	48	50	2	5	101
MOTHERWELL AND WISHAW, . .	65,611	67,900	98	55	43	97	1	2	34	62	36	26	2	19	79
CLYDEBANK, . . .	46,991	48,000	54	27	27	51	3	1	13	25	13	12	1	15	39
KIRKCALDY, . . .	44,559	46,300	49	33	16	47	2	2	28	42	22	20	3	6	45
COATBRIDGE, . .	43,312	45,300	90	47	43	88	2	5	14	45	27	18	1	5	49
KILMARNOCK, . .	38,681	40,300	47	19	28	47	..	..	25	44	25	19	7	2	39
HAMILTON, . . .	33,112	39,500	72	32	40	70	2	1	26	44	25	19	2	12	54
AYR,	38,905	41,100	50	24	26	46	4	2	43	50	27	23	15	3	38
FALKIRK,	36,566	38,400	40	19	21	39	1	2	14	37	13	19	11	1	27
DUNFERMLINE, . .	35,068	37,300	47	23	19	45	2	3	36	44	23	21	13	4	35
PERTH,	35,051	36,400	48	25	23	45	3	4	36	51	16	35	19	2	34
TOTAL (SIXTEEN TOWNS)	2,466,134	2,576,200	3339	1729	1610	3146	193	156	1981	2348	1505	1343	381	187	2654

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, November 1939.

TOWNS.	Birth- Rate (living child- ren) per 1000 of Popu- lation.	Illegiti- mate Birth- Rate (living child- ren) per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, . .	16.2	5.8	10.4	13.3	12.3	0.3	1.0	0.3	1.5	109	61	
EDINBURGH, .	13.9	6.7	8.7	14.3	12.9	0.2	0.7	0.6	1.6	82	53	
DUNDEE, . .	16.0	6.8	8.9	13.0	12.3	0.4	0.7	0.7	1.3	11	48	
ABERDEEN, .	15.3	8.4	11.6	14.4	11.6	0.5	0.5	0.5	1.2	14	57	
PAISLEY, . .	17.2	2.3	3.1	14.9	14.9	0.3	1.3	1.3	2.0	20	143	
GREENOCK, .	16.2	11.0	7.0	14.6	15.1	0.3	1.3	1.2	1.6	14	104	
MOTHERWELL AND WISHAW.	17.6	1.0	6.1	11.1	14.1	..	1.1	1.1	1.1	12	114	
CLYDEBANK, .	13.7	5.6	3.3	6.3	9.9	0.3	..	..	1.0	6	87
KIRKCALDY, .	12.9	4.1	7.4	11.0	11.3	..	..	..	0.3	6	105
COATBRIDGE, .	24.2	2.2	3.3	12.1	13.2	0.5	0.3	0.5	1.3	10	114	
KILMARNOCK, .	14.2	..	7.5	13.3	11.3	..	0.6	..	1.5	3	43	
HAMILTON, . .	22.2	2.3	3.0	13.6	16.7	0.3	..	..	1.5	7	97
AYR,	14.3	3.0	12.7	14.3	11.2	..	..	..	0.6	3	57
FALKIRK, . .	12.7	2.5	4.4	11.7	3.6	0.3	0.3	0.3	0.3	3	61	
DUNFERMLINE, .	15.3	4.3	11.7	14.3	11.4	..	0.3	..	1.3	5	93	
PERTH, . . .	16.0	6.3	12.0	17.0	11.4	0.3	..	..	1.3	7	149
TOTAL. (SIXTEEN TOWNS)	15.8	5.3	9.4	13.5	12.5	0.3	0.3	0.7	1.4	262	69	

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for November 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
NOV. 1939.	15.8	5.8	9.4	12.5	1	0	1	3	25	12	7	10	69	44°·7
NOV. 1938.	17.2	4.8	6.7	12.5	2	0	6	17	19	16	5	4	84	45°·9
NOV. 1937.	17.2	5.4	7.3	14.7	0	9	3	1	32	37	3	11	114	41°·0
NOV. 1936.	17.3	5.2	7.4	14.1	0	0	9	27	19	23	6	19	102	41°·3
NOV. 1935.	17.3	6.1	6.4	13.0	1	13	5	1	20	37	2	17	94	42°·3
NOV. 1934.	18.0	4.9	6.0	14.6	1	6	6	17	21	43	6	16	97	42°·2
NOV. 1933.	16.7	5.8	5.8	13.0	1	0	30	6	20	33	7	26	76	42°·1
NOV. 1932.	17.7	6.7	6.1	13.7	1	0	14	28	17	30	7	7	92	42°·1
NOV. 1931.	18.3	5.8	7.0	13.2	1	125	20	14	21	15	14	18	85	45°·2
NOV. 1930.	18.3	6.1	6.1	13.2	2	11	5	23	19	34	11	19	97	40°·5
NOV. 1929.	18.6	6.2	5.9	12.8	0	24	4	15	30	35	7	9	78	42°·6

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.														
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over			
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	3	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	25	9	16	-	13	11	-	-	1	-	-	-	-	-	-	-	-	-
8	Influenza -	12	5	7	1	-	-	-	-	-	2	2	2	3	2	-	-	-	-
14 (1)	Cerebro-spinal Fever -	7	6	1	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	10	4	6	2	-	-	-	1	2	-	2	-	1	1	1	-	-	-
10	Tuberculosis of Respiratory System -	143	80	63	-	-	-	1	45	32	22	22	12	7	2	-	-	-	-
11	Other Tuberculous Diseases -	32	19	13	6	8	6	3	3	2	2	1	1	-	-	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	3	2	1	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
15	Cancer, Malignant Disease -	322	162	160	-	-	-	-	1	6	19	43	83	115	43	7	-	-	-
18	Diabetes Mellitus -	31	8	23	-	-	-	-	-	1	3	2	10	14	1	-	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	44	15	29	1	1	3	1	4	4	5	8	6	9	1	-	-	-	-
22	Cerebral Hemorrhage, &c. -	288	134	154	1	-	-	-	1	1	2	15	58	122	77	11	-	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	60	31	29	9	3	1	1	2	6	8	9	14	5	1	1	-	-	-
24	Heart Disease -	636	336	300	-	-	-	1	4	14	23	44	123	206	190	31	-	-	-
25	Other Circulatory Diseases -	52	29	23	-	-	-	-	-	1	1	4	9	14	15	8	-	-	-
26	Bronchitis -	112	67	45	7	3	-	-	1	1	3	12	12	36	31	6	-	-	-
27	Pneumonia (all forms) -	140	75	65	42	11	1	3	3	3	3	13	25	15	20	1	-	-	-
28	Other Respiratory Diseases -	46	20	26	2	-	-	1	-	2	5	7	5	10	10	4	-	-	-
32 (1)	Gastric and Duodenal Ulcer -	28	26	2	-	-	-	-	-	2	3	8	5	4	6	-	-	-	-
29	Diarrhoea, &c. (all ages) -	67	31	36	47	7	-	-	1	-	-	1	1	5	5	-	-	-	-
30	Appendicitis -	12	9	3	-	1	1	1	3	1	3	2	-	-	-	-	-	-	-
31 (1)	Cirrhosis of Liver -	2	1	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	7	2	5	-	-	-	-	-	-	-	3	1	2	1	-	-	-	-
32 (2)	Other Digestive Diseases -	44	24	20	5	1	-	-	3	2	2	6	8	8	8	1	-	-	-
33	Acute and Chronic Nephritis -	49	27	22	1	-	1	-	-	2	4	11	11	11	7	1	-	-	-
34	Other Dis. of Genito-Urinary System -	53	37	16	3	-	-	-	-	2	5	5	9	16	11	2	-	-	-
35	Puerperal Sepsis -	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
36	Other Puerperal Causes -	18	-	18	-	-	-	-	-	2	7	9	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	17	11	6	1	-	3	1	-	-	-	1	5	2	3	1	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	119	76	43	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	69	22	47	-	-	-	-	-	-	-	-	-	-	11	31	27	-	-
40	Suicide -	16	12	4	-	-	-	-	-	-	1	3	7	3	2	-	-	-	-
42	Other Violence (41) -	162	113	49	8	3	6	6	9	13	18	22	19	23	24	11	-	-	-
43	Causes ill-defined or Unknown -	22	13	9	-	-	-	-	-	-	2	2	6	11	1	-	-	-	-
	ALL CAUSES -	2654	1409	1245	262	56	32	21	80	106	147	252	431	649	504	114	-	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1939.

Intern ¹ Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	1	..	...	...	...	...	...
4	Measles ... ..	...	1	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	...	...	...	...
6	Whooping-cough	3	1	...	2	...	...	...	...	...
7	Diphtheria	25	15	1	1	2	1	2	...	...
8	Influenza	12	5	3	...	3	...	...	...	...
14 (1)	Cerebro-spinal Fever	7	3	...	...	1	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	10	2	4	3	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	143	74	25	10	7	10	8	6	...
11	Other Tuberculous Diseases	32	23	4	...	...	...	1	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	3	2	1	...	...	...	...	...	...
15	Cancer, Malignant Disease	322	127	77	24	23	7	8	9	7
18	Diabetes Mellitus	31	14	5	...	2	...	...	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	44	19	8	3	2	1	2	1	...
22	Cerebral Hæmorrhage, &c.	288	116	56	22	23	13	11	10	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	60	29	9	2	4	2	5	1	...
24	Heart Disease	636	268	115	56	36	25	23	23	6
25	Other Circulatory Diseases	52	22	15	3	1	1	...	2	...
26	Bronchitis	112	43	24	8	4	7	4	1	...
27	Pneumonia (all forms)	140	73	25	4	12	8	4	3	...
28	Other Respiratory Diseases	46	19	12	7	2	...	3	2	...
32 (1)	Gastric and Duodenal Ulcer	28	13	7	...	3	2	1	1	...
29	Diarrhoea, &c. (all Ages)	67	36	6	1	2	7	1	3	...
30	Appendicitis	12	5	2	2	...	...	...	1	...
31 (1)	Cirrhosis of Liver	2	1	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	7	3	...	...	2	1	...	...	...
32 (2)	Other Digestive Diseases	44	16	14	3	1	3	2	2	1
33	Acute and Chronic Nephritis	49	24	10	4	3	2	2	1	...
34	Oth. Diseases of Genito-Urinary System	53	16	11	5	8	2	4	1	1
35	Puerperal Sepsis	1	...	1	...	...	...	...	...	...
36	Other Puerperal Causes	18	8	1	1	...	...	3	1	...
37	Dis. of Skin, and of Locomotor System	17	7	3	1	2	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	119	32	17	8	5	8	8	5	...
39	Old Age	69	31	7	7	10	1	2	...	...
40	Suicide	16	5	4	3	2	1	...	...	...
42	Other Violence (41)	162	85	27	7	10	7	4	3	...
43	Causes Ill-defined or Unknown	22	5	5	...	...	1	3	1	...
	All Causes	2654	1143	501	187	171	112	101	79	39
	AGE AT DEATH.									
	Under 1	262	109	32	11	14	20	14	12	6
	1- 4	56	30	5	4	2	2	3	...	1
	5- 9	32	21	2	2	1	2	...	...	1
	10-14	21	11	4	1	2	...	1	...	...
	15-24	80	42	10	6	3	5	7	1	...
	25-34	106	53	13	9	3	2	3	6	1
	35-44	147	71	30	9	6	5	8	3	4
	45-54	252	122	51	11	14	9	9	10	1
	55-64	431	195	85	21	30	16	13	12	8
	65-74	649	267	123	56	42	29	28	21	11
	75-84	504	182	125	43	42	17	15	13	...
	85 and over	114	40	21	14	12	5	...	1	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2654	1143	501	187	171	112	101	79	39

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	1	...	1	...	...
8	Influenza ... ..	...	1	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	1	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ... ..	...	2	...	...	...	1	...	...
11	Other Tuberculous Diseases ... ..	...	1	2	...	...	...	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	11	4	5	6	8	4	...	2
18	Diabetes Mellitus ... ..	...	...	...	2	4	...	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	2	...	...	2	...	1	...
22	Cerebral Hæmorrhage, &c.	4	4	3	2	5	3	8	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	2	1	...	...	1	1	3
24	Heart Disease	15	8	10	17	7	11	9	7
25	Other Circulatory Diseases ... ..	...	1	2	1	1	2	1	...
26	Bronchitis	3	4	4	2	1	...	1	4
27	Pneumonia (all forms) ... ..	...	1	1	3	1	1	2	...
28	Other Respiratory Diseases ... ..	...	...	...	...	...	...	1	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	1	...	...	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	5	...	2	...	...	...	2
30	Appendicitis ... ..	...	...	1	...	1	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	1	...	...	...	...
32 (2)	Other Digestive Diseases	1	...	...	...	...	...	...	1
33	Acute and Chronic Nephritis ... ..	...	1	...	...	1	...	...	1
34	Oth. Diseases of Genito-Urinary System	...	...	3	...	1	...	1	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	2	...	1	...	...	...	1
37	Dis. of Skin, and of Locomotor System	...	...	...	1	...	...	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	6	5	2	6	3	2	3	4
39	Old Age	2	2	1	1	1	...	2	2
40	Suicide	1	...	...	...	...	...	...	...
42	Other Violence (41)	1	2	1	6	2	1	1	...
43	Causes Ill-defined or Unknown ... ..	...	1	2	2	...	...	...	1
	All Causes	45	49	39	54	38	27	35	34
	AGE AT DEATH.								
	Under 1	6	10	3	7	3	3	5	7
	1-4	1	1	1	3	1	1	...	1
	5-9 ... ..	...	...	2	...	...	...	...	1
	10-14	1	...	...	...	1	...	...	...
	15-24 ... ..	...	1	1	1	...	...	2	1
	25-34	2	4	3	3	1	...	2	1
	35-44 ... ..	...	4	...	1	1	3	1	1
	45-54	7	1	3	6	4	2	...	2
	55-64	6	7	4	7	10	4	8	5
	65-74	10	12	10	17	7	5	7	4
	75-84	10	8	10	5	7	8	7	7
	85 and over	2	1	2	4	3	1	3	4
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	45	49	39	54	38	27	35	34

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of November 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL,†	AIR TEMPERATURE.					HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.							
			Mean of		Difference from Average.	Absolute Maximum and Minimum.		Mean of	Humidity.	Total Fall.	Difference from Average.	Hours per Day.	Per Cent. of Possible.								
			Maximum (A.)	Minimum (B.)		Maximum.	Minimum.							Dry Bulb.	Vapour Pressure.	Number of Days.					
			° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	inch.	inch.								
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1004.5	29.663	49.2	40.7	44.9	+3.8	56	33	20, 25	45.1	1.7	Mb. 9.0	8.7	8.7	27	8.04	+1.14	0.97	-0.50	12
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1004.5	29.663	49.0	40.5	44.7	+2.6	56	35	24, 25 28	44.2	2.1	8.2	8.3	8.3	25	8.51	+1.27	1.83	-0.28	22
DUNDEE, The Director of Studies, Training College.	147	1003.7	29.640	48.6	36.7	42.7	+1.2	54	29	24, 18	43.6	1.6	8.3	8.7	8.7	24	4.70	+2.38	1.44	-0.75	18
ABERDEEN, The Meteorological Office.	79	1003.1	29.620	48.2	39.7	43.9	+1.7	54	31	29, 11	44.2	2.4	7.9	8.1	8.1	25	3.22	+0.27	1.88	-0.07	23
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1004.3	29.658	50.0	41.6	45.8	+3.5	56	36	24, 11	45.5	1.6	9.0	8.7	8.7	26	8.52	+1.34	0.93	-0.46	12
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1003.5	29.633	50.4	42.1	46.3	+3.7	56	37	25, 28 29	45.3	1.7	8.8	8.6	8.6	25	11.24	+5.18	0.70	..	8
KIRKCALDY, The Medical Office of Health.	137	..	..	49.7	38.7	44.2	+1.7	56	31	29, 11	44.3	1.5	8.7	8.7	8.7	24	4.84	..	1.65	..	20
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	51.0	39.1	45.1	+3.3	55	30	30, 11	44.9	1.2	9.2	9.1	9.1	26	8.14	+4.37	0.96	-0.62	12
AYR, The Medical Office of Health.	43	..	..	52.4	41.0	46.7	..	59	31	2nd, 14, 11	46.8	1.7	9.4	8.7	8.7	23	6.04	..	0.98	..	12
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	49.3	39.2	44.3	..	55	31	19, 29 30	43.8	1.0	8.9	9.2	9.2	25	4.74	..	1.44	..	17
PERTH, J. RITCHIE, The Museum.	76	1004.5	29.663	49.5	37.3	43.4	+2.9	55	30	24, 25	42.3	1.5	8.0	8.7	8.7	23	4.40	+1.52	1.59	-0.26	19
Means	147	1004.0	29.649	49.8	39.7	44.7	+2.7	..	..	..	44.5	1.6	8.7	8.7	8.7	25	6.13	+2.93	1.31	-0.42	16
North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 36'.																					

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 37'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbottsich) and Aberdeen at 7h. and 18h.
† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.53 mercury inches).

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/26. 500. 12/39. J. S. & Co. Ltd. Group 157 (1933).

S.O. Code No. 49-9999.

NOTE.

It has been decided to suspend publication of the Monthly Return, and this is the final issue for the present. The Registrar-General's Weekly and Quarterly Returns and his Annual Report will continue to be published as usual.

Wt. 14/26. 400. 1/40. J. S. & Co. Ltd. Group 157 (1933).

Registered in sixteen of the Principal Towns:

December, 1939

REPORT

This Monthly Return is notable in that several records for this series of Returns have been registered.

While the marriage-rate is the highest recorded for the month of December in any year since 1920, the birth-rate, the death-rate, the infantile mortality rate and the death-rate from diseases of the respiratory system are all the lowest ever recorded for December.

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of December 1939 the births (corrected for transfer to place of usual residence) of 3,479 living children, of whom 1,735 were males and 1,744 were females, and of 149 still-born children. Compared with the number in the previous month the living births were 140 more, male births being 6 more and female births 134 more. The monthly birth-rate in these towns taken collectively was 15·9 per thousand. This rate is 0·1 more than that for the previous month but is 1·5 below the five years' average. It is the lowest birth-rate recorded in these Reports for the month of December in any year. The births of still-born children correspond to a rate of 41 per thousand total births registered (including still-born). This rate is 4 below that for the previous month.

In the individual towns the monthly birth-rate ranged from 21·3 in Coatbridge, 19·8 in Kilmarnock and 19·5 in Ayr, to 14·0 in Aberdeen and in Hamilton, 12·9 in Perth and 12·7 in Edinburgh. In Kirkcaldy the rate was 19·3, in Greenock 19·2, in Motherwell and Wishaw 18·4, in Dunfermline 17·4, in Glasgow 16·9, in Falkirk 15·9, in Paisley 15·2, in Clydebank 15·0 and in Dundee 14·9.

Of the 3,479 living children whose births were registered during the month, 3,282 or 94·3 per cent. were legitimate, while 197 or 5·7 per cent. were illegitimate. The legitimate children numbered 136 more than in the previous month and the

NOTE.—*The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.*

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illegitimate children 4 more. The illegitimate percentage for the month is 0·1 below that for the previous month. In the individual towns it ranged from 12·7 in Dunfermline, 10·3 in Ayr and 6·4 in Glasgow and in Hamilton, to 2·5 in Paisley and in Perth, 1·3 in Kirkcaldy and 1·2 in Coatbridge. In Edinburgh the rate was 5·9.

Marriages.—Marriages registered during the month numbered 2,738 and are 757 more than in the previous month. The marriage-rate, 12·5 per thousand, is 3·1 above that for the previous month and 1·4 above the average. It is the highest December marriage-rate recorded in these Reports since 1920. In the individual towns it ranged from 16·5 in Perth, 14·4 in Greenock and 13·6 in Aberdeen, to 10·1 in Falkirk, 7·9 in Kirkcaldy and 7·5 in Coatbridge. In Glasgow the rate was 12·6 and in Edinburgh 12·4. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,882, of which 1,489 were of males and 1,393 were of females. This number is 228 more than in the previous month, males being 80 more and females 148 more.

The monthly death-rate in these towns taken collectively was 13·2 per thousand, being 0·7 above that for the previous month but 2·5 below the average. It is the lowest death-rate recorded for December in this series of Reports. In the towns taken individually the death-rate ranged from 16·4 in Dundee, 14·6 in Perth and 14·3 in Greenock, to 9·5 in Ayr and in Dunfermline and 8·9 in Falkirk. In Kirkcaldy it was 14·2, in Motherwell and Wishaw 14·0, in Glasgow 13·4, in Coatbridge 13·3, in Paisley 13·0, in Kilmarnock 12·8, in Edinburgh 12·7, in Aberdeen 11·9, in Clydebank 10·8 and in Hamilton 10·4.

Deaths of children aged less than one year numbered 279 and equalled an infantile mortality-rate of 71 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 17 more than in the previous month, while the rate is 2 more than in that month but 36 below the average. It is the lowest infantile mortality-rate recorded for December in this series of Reports. In the individual towns this rate ranged from 136 in Kirkcaldy, 129 in Clydebank and 101 in Dundee, to 39 in Falkirk, 36 in Ayr and 32 in Kilmarnock. In Coatbridge it was 100, in Motherwell and Wishaw 93, in Perth 83, in Glasgow 76, in Dunfermline 73, in Greenock 71, in Edinburgh 55, in Aberdeen 51, and in Paisley and in Hamilton 42.

Causes of Death.—Deaths from the principal epidemic diseases numbered 65 and equalled a death-rate of 0·3 per thousand. These deaths are 6 more than in the previous month but the rate is the same. They include 1 from typhoid fever, none from measles, 2 from scarlet fever, 2 from whooping-cough, 37 from diphtheria, 17 from influenza, none from cerebro-spinal fever, and 6 from other epidemic diseases, 4 of which were ascribed to lethargic encephalitis, 1 to dysentery and 1 to erysipelas. Compared with the number in the previous month deaths from typhoid fever are the same, from scarlet fever 1 more, from whooping-cough 1 fewer, from diphtheria 12 more, from influenza 5 more and from other epidemic diseases 4 fewer. In the previous month 7 deaths were registered from cerebro-spinal fever.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 312 and equalled a death-rate of 1·4 per thousand. Compared with the number in the previous month these deaths are 14 more, while the rate is the same but is 1·8 below the average. It is the lowest rate recorded from this cause for the month of December in any year.

Deaths from all forms of tuberculosis numbered 205, of which 173 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 30 more and those from respiratory tuberculosis 30 more. Compared with the average the former are 10 more and the latter 12 more.

METEOROLOGICAL NOTES.

supplied by the Meteorological Office, Edinburgh.

DECEMBER 1939.

Mean barometric pressure, 29.981 ins.; greater than the average* by 0.210 in.

Mean temperature, 38.3° F.; less by 1.5° F.

Mean daily range of temperature, 8.9° F.; greater by 0.2° F.

Mean daily sunshine, 0.69 hour; less by 0.41 hour.

Rain, depth in inches, 1.89; less by 1.96 in.

Wind, direction of: a two days' excess of N.E. winds.

In most parts of Scotland mean temperatures were below normal, the greatest deficiency—about 3° F.—occurring in the south-west. At a few places in the north and north-west mean temperatures reached, or slightly exceeded, the normal. The warmest day was the 1st, when shade temperature rose to 58° F. in Edinburgh, Dunbar, Dunfermline and Ayr. This reading was also attained on the 10th at Oban. The coldest weather occurred on the 19th and from the 29th to 31st. Extreme minima reported were 10° F. at West Linton on the 31st, 11° F. at Wolfelee on the 19th and at Braemar on the 29th, and 12° F. at Kilmarnock on the 29th. Ground frosts were frequent and widespread, being registered on all but the first two days of the month. The lowest readings of thermometers exposed on grass were 5° F. at Auchincruive on the 29th, 6° F. at Braemar on the 29th and at West Linton on the 31st, and 8° F. at Carlisle on the 19th and at Balmoral on the 29th.

At a few scattered stations the sunshine totals reached normal, but over the greater part of Scotland there was a dearth of sunshine. The best aggregates were 37 hours at Eskdalemuir, 36 hours at Dumfries and 33 hours at Auchincruive, Ayr, St. Andrews and Arbroath. Many places in the west had less than 15 hours' sunshine, some low aggregates being 12 hours at Tiree, 11 hours at Paisley, 10 hours at Fort William, 8 hours at Greenock and only 5 hours in Glasgow.

The month was unusually dry for a winter month. A few stations in the extreme north-east had just about their normal rainfall, but everywhere else there was a well marked deficiency. Over the south-eastern counties precipitation was less than half the normal. Daily falls exceeding an inch were numerous in western districts during the first ten days. The largest individual measurements, all on the 9th, were 2.10 inches at Ardnadam, 1.85 inches at Dunoon and 1.76 inches at Forrest Lodge (Dalry). Some other heavy daily falls were 1.48 inches at Polloch on the 1st, 1.22 inches at Is'ay (Eallabus) on the 2nd, 1.66 inches at Muirshiel (Lochwinnoch) and 1.55 inches at Stewarton on the 3rd, 1.68 inches at Mull (Gruline) on the 13th, 1.40 inches at Arrochar on the 19th and 1.57 inches at Loch More on the 21st.

Snow or sleet showers were widespread during the 4th and 5th and throughout the last week but the falls did not lie to any appreciable depth.

Hail occurred locally on 11 days.

Fog was reported at one place or other on every day except the 2nd and 24th. It was of most frequent occurrence on the east coast and in the Clyde area.

Gales occurred on 14 days. They were most frequent in the extreme north, Lerwick reporting winds of gale force on 10 days. The most severe gales were on the 9th and 13th. On the latter day Stornoway registered gusts up to 65 miles per hour.

No thunder was reported.

Aurora was observed on the 2nd, 5th to 8th, 12th, 28th and 29th. It was seen as far south as Edinburgh and Paisley on the 5th and at St. Abb's Head on the 6th and 7th.

* The averages of normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period, 1906-35.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 98.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, December 1939.

TOWNS.	POPULATION.		BIRTHS.					STILL-BIRTHS.	MARRIAGES.	DEATHS.					
	Census 1931.	Estimated to middle of 1939. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.			REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
										Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . .	1,093,337	1,131,600	1622	807	815	1518	104	72	1214	1421	773	648	175	46	1292
EDINBURGH, .	459,010	473,200	511	249	262	481	30	21	499	572	293	270	35	25	512
DUNDEE, . .	175,681	178,240	226	115	111	212	14	9	203	255	118	137	20	14	249
ABERDEEN, . .	169,803	179,400	214	106	108	204	10	10	207	210	106	104	30	1	181
PAISLEY, . .	86,445	91,700	118	62	56	115	3	5	89	97	47	50	11	15	101
GREENOCK, . .	79,012	81,600	133	59	74	123	5	2	100	107	57	50	14	6	99
MOTHERWELL AND WISHAW, .	65,611	67,900	106	53	53	101	5	2	71	68	33	35	2	15	81
CLYDEBANK, .	46,991	48,000	61	31	30	59	2	1	45	25	13	12	1	19	44
KIRKCALDY, .	44,559	46,300	76	51	25	75	1	4	31	61	32	29	9	4	56
COATBRIDGE, .	43,312	45,300	82	36	46	81	1	6	29	41	23	18	2	12	51
KILMARNOCK, .	38,681	40,300	68	37	31	66	2	2	45	54	27	27	17	7	44
HAMILTON, . .	38,112	39,500	47	21	26	44	3	3	42	30	16	14	3	8	35
AYR,	38,905	41,100	68	38	30	61	7	1	43	50	23	22	18	1	33
FALKIRK, . .	36,566	38,400	52	26	26	50	2	2	33	33	22	16	10	1	29
DUNFERMLINE, .	35,058	37,300	55	24	31	48	7	8	36	38	17	21	12	4	30
PERTH, . . .	35,051	36,400	40	20	20	39	1	1	51	67	36	31	25	3	45
TOTAL (SIXTEEN TOWNS)	2,466,134	2,576,200	3479	1735	1744	3252	197	149	2738	3134	1641	1493	433	181	2882

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, December 1939.

TOWNS.	Birth- Rate (living child- ren) per 1000 of Popu- lation.	Illegiti- mate Birth- Rate (living child- ren) per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tub- ercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, . .	16.9	6.4	12.6	14.8	13.4	0.3	1.2	1.0	1.7	189	76	
EDINBURGH, .	12.7	5.9	12.4	14.2	12.7	0.1	0.7	0.7	1.3	34	55	
DUNDEE, . . .	14.0	6.2	13.4	16.8	16.4	0.5	0.7	0.6	2.1	24	101	
ABERDEEN, . .	14.0	4.7	13.6	13.8	11.9	0.2	0.3	0.3	1.2	13	51	
PAISLEY, . . .	15.2	2.5	11.4	12.5	13.0	0.9	0.6	0.4	0.8	6	42	
GREENOCK, . .	19.2	3.8	14.4	15.4	14.3	0.1	1.3	1.2	0.6	10	71	
MOTHERWELL AND WISHAW, .	18.4	4.7	12.3	11.8	14.0	0.7	1.7	1.6	1.7	10	93	
CLYDEBANK, . .	15.0	3.3	11.0	6.1	10.8	..	0.2	0.2	1.5	9	129	
KIRKCALDY, . .	19.3	1.3	7.9	15.5	14.2	..	1.0	1.0	1.3	3	136	
COATBRIDGE, . .	21.3	1.2	7.5	10.7	13.3	0.5	1.3	0.5	1.0	9	100	
KILMARNOCK, .	19.3	2.9	13.1	15.3	12.3	..	0.9	0.3	1.5	2	52	
HAMILTON, . . .	14.0	6.4	12.5	9.0	10.4	0.3	0.9	0.9	0.9	3	42	
AYR,	19.5	10.3	12.3	14.3	9.5	0.3	..	..	0.3	2	36
FALKIRK,	15.9	3.8	10.1	11.6	8.9	..	0.6	0.3	0.6	2	30	
DUNFERMLINE, .	17.4	12.7	11.4	12.0	9.5	..	0.3	0.3	0.3	4	73	
PERTH,	12.9	2.5	16.5	21.7	14.6	..	1.0	1.0	1.0	4	33	
TOTAL . (SIXTEEN TOWNS)	15.9	5.7	12.5	14.3	13.2	0.3	0.9	0.8	1.4	279	71	

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for December 1939, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

MONTH.	Birth-Rate (living children).	Illegitimate Birth- rate (living children per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM									†Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping- Cough.	Diphtheria.	Influenza.	Cerebro- spinal Fever.	†Other Epidemic Diseases.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
DEC. 1939.	15.9	5.7	12.5	13.2	1	0	2	2	37	17	0	6	71	38° 3	
DEC. 1938.	17.4	5.4	10.4	15.0	0	0	5	31	31	31	6	6	90	39° 1	
DEC. 1937.	17.5	5.2	10.7	17.1	1	27	9	7	22	65	4	8	117	35° 8	
DEC. 1936.	17.7	6.0	10.8	14.9	0	0	6	40	22	38	5	13	102	41° 2	
DEC. 1935.	17.5	6.9	12.2	16.7	7	8	10	12	23	48	6	21	125	36° 0	
DEC. 1934.	17.1	5.3	11.3	14.6	0	22	19	52	24	81	9	24	100	44° 6	
DEC. 1933.	17.5	6.6	9.1	14.6	0	0	24	14	13	40	10	21	91	38° 9	
DEC. 1932.	18.3	5.3	8.9	18.0	3	1	14	72	28	280	16	10	139	42° 3	
DEC. 1931.	18.6	6.0	9.1	14.1	1	147	5	21	19	27	16	14	100	43° 0	
DEC. 1930.	20.3	6.1	10.1	16.6	0	8	5	43	40	42	9	23	136	39° 7	
DEC. 1929.	18.8	6.8	10.6	14.3	3	51	13	15	31	25	10	11	93	40° 9	

All Figures relating to Births and Deaths are corrected for those of non-residents.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	-	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	-	2	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	37	17	20	1	25	10	-	-	1	-	-	-	-	-	-	-	-
8	Influenza -	17	9	8	-	-	-	-	-	1	-	2	2	1	6	5	-	-
14 (1)	Cerebro-spinal Fever -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	6	2	4	-	-	-	-	1	1	-	-	1	3	-	-	-	-
10	Tuberculosis of Respiratory System -	173	93	80	1	-	-	1	43	43	27	30	19	8	1	-	-	-
11	Other Tuberculous Diseases -	32	15	17	2	9	3	4	7	2	-	-	1	1	1	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	7	3	4	-	-	-	-	-	-	-	2	3	1	-	-	-	-
15	Cancer, Malignant Disease -	324	142	182	-	-	-	-	1	9	16	51	94	102	45	6	-	-
18	Diabetes Mellitus -	30	10	20	-	-	-	-	-	-	-	2	7	10	9	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	54	19	35	3	2	1	1	2	7	-	1	8	15	9	5	1	-
22	Cerebral Hemorrhage, &c. -	311	149	162	-	-	-	-	-	4	4	23	64	108	96	12	-	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	57	24	23	5	5	1	-	7	1	9	7	9	10	2	1	-	-
24	Heart Disease -	715	372	343	-	-	2	2	2	11	40	52	131	245	190	33	-	-
25	Other Circulatory Diseases -	61	31	30	-	-	-	-	-	2	-	4	13	14	18	10	-	-
26	Bronchitis -	139	74	65	13	1	1	1	-	3	5	13	26	31	28	17	-	-
27	Pneumonia (all forms) -	146	87	59	58	15	-	-	2	4	4	12	16	20	11	4	-	-
28	Other Respiratory Diseases -	27	15	12	2	-	-	-	-	1	1	3	5	9	4	1	-	-
32 (1)	Gastric and Duodenal Ulcer -	29	21	8	-	-	-	-	3	1	6	6	3	6	3	1	-	-
29	Diarrhoea, &c. (all ages) -	45	25	20	31	9	-	-	1	1	1	1	1	-	-	-	-	-
30	Appendicitis -	15	5	10	-	1	2	-	6	1	-	1	2	2	-	-	-	-
31 (1)	Cirrhosis of Liver -	16	7	3	-	-	-	-	-	-	-	2	1	6	-	1	-	-
31 (2)	Other Diseases of Liver, &c. -	14	3	11	-	-	-	-	-	1	1	-	4	6	2	-	-	-
32 (2)	Other Digestive Diseases -	37	17	20	3	1	-	1	2	2	-	4	9	10	4	1	-	-
33	Acute and Chronic Nephritis -	83	35	48	-	3	-	3	-	5	6	11	21	23	9	2	-	-
34	Other Dis. of Genito-Urinary System -	39	30	9	2	-	-	-	1	-	2	2	6	15	9	2	-	-
35	Puerperal Sepsis -	2	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-
36	Other Puerperal Causes -	14	-	14	-	-	-	-	-	2	9	3	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	14	8	6	3	1	-	-	-	-	-	2	3	4	1	-	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	143	87	56	141	1	1	-	-	-	-	-	-	-	-	-	-	-
39	Old Age -	93	34	59	-	-	-	-	-	-	-	-	-	13	51	29	-	-
40	Suicide -	19	9	10	-	-	-	-	1	-	3	6	7	-	1	1	-	-
42	Other Violence (41) -	160	126	34	9	2	7	3	7	9	11	15	33	39	19	6	-	-
43	Causes ill-defined or Unknown -	24	8	16	2	-	1	-	-	1	2	3	6	6	3	-	-	-
ALL CAUSES -		2882	1489	1393	279	77	29	16	97	120	149	263	500	697	527	128	-	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1939.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	City of Glasgow.
1	Typhoid Fever (including Paratyphoid)	1	1	...	..	...	...	...	...	..
4	Measles ... ..	...	...	...	...	...	...	...	...	..
5	Scarlet Fever	2	2	...	...	...	...	...	...	..
6	Whooping-cough	2	...	...	2	...	...	...	...	..
7	Diphtheria	37	22	3	2	3	5	...	1	..
8	Influenza	17	6	1	2	...	2	1	3	..
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...	..
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	6	2	1	2	...	...	...	...	..
10	Tuberculosis of Respiratory System ...	173	97	27	9	4	3	8	9	..
11	Other Tuberculous Diseases	32	17	3	1	1	2	1	1	..
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	7	3	2	...	1	...	...	...	..
15	Cancer, Malignant Disease	324	148	61	22	21	14	13	8	..
18	Diabetes Mellitus	30	15	6	1	2	1	...	...	..
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	54	20	12	6	3	1	2	2	..
22	Cerebral Hæmorrhage, &c.	311	124	58	25	24	11	13	10	..
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	57	20	10	2	6	1	4	3	..
24	Heart Disease	715	308	147	75	45	28	18	11	..
25	Other Circulatory Diseases	61	21	16	4	9	1	1	1	..
26	Bronchitis	139	75	24	15	5	...	3	2	..
27	Pneumonia (all forms)	146	76	25	13	11	5	1	6	..
28	Other Respiratory Diseases	27	10	2	4	2	1	...	2	..
32 (1)	Gastric and Duodenal Ulcer	29	15	6	1	3	1	...	...	..
29	Diarrhœa, &c. (all Ages)	45	24	4	5	4	1	1	3	..
30	Appendicitis	15	8	2	1	2	...	...	...	..
31 (1)	Cirrhosis of Liver	10	3	3	...	...	1	...	1	..
31 (2)	Other Diseases of Liver, &c.	14	4	5	1	1	1	...	1	..
32 (2)	Other Digestive Diseases	37	18	5	3	2	1	1	2	..
33	Acute and Chronic Nephritis	83	29	11	10	10	5	3	1	..
34	Oth. Diseases of Genito-Urinary System	39	19	9	1	4	1	...	...	..
35	Puerperal Sepsis	2	1	1	...	...	...	...	...	..
36	Other Puerperal Causes	14	5	3	2	...	...	2	...	..
37	Dis. of Skin, and of Locomotor System	14	5	2	2	1	...	2	...	..
38	Congenital Debility, Premature Birth, Malformations, &c.	143	70	18	10	3	3	6	6	..
39	Old Age	93	35	17	9	3	3	8	1	..
40	Suicide	19	4	4	...	...	2	...	1	..
42	Other Violence (41)	160	77	21	14	10	7	8	6	..
43	Causes Ill-defined or Unknown	24	6	3	1	1	...	3	...	..
All Causes		2882	1292	512	249	181	101	99	81	4
AGE AT DEATH.										
Under 1	...	279	139	34	24	13	6	10	10	..
1-4	...	77	39	7	5	8	6	3	4	..
5-9	...	29	19	1	4	...	...	1	...	..
10-14	...	16	10	2	...	...	...	...	2	..
15-24	...	97	47	12	7	4	1	5	6	..
25-34	...	120	58	14	17	6	1	5	2	..
35-44	...	149	70	26	5	6	6	7	10	..
45-54	...	263	117	53	19	10	16	8	7	..
55-64	...	500	261	70	36	36	16	19	11	..
65-74	...	697	310	137	60	44	26	18	17	..
75-84	...	527	174	120	58	50	17	17	11	..
85 and over	...	128	48	36	14	4	6	6	1	..
Not stated	...	...	...	...	...	...	...	...	...	..
All Ages		2882	1292	512	249	181	101	99	81	4

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1939—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	1	...	...	...	...	...	...
8	Influenza ... ..	...	1	...	...	1	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	4	2	1	3	...	1	1	3
11	Other Tuberculous Diseases ... ..	...	3	2	...	...	1	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	1	...	...	...	...	...
15	Cancer, Malignant Disease	5	4	6	4	4	4	3	2
18	Diabetes Mellitus ... ..	...	1	2	...	1	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	2	2	1	...	1	1	1	...
22	Cerebral Hæmorrhage, &c.	4	3	9	4	6	7	3	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	3	1	...	...	1	2	3
24	Heart Disease	16	8	7	10	8	6	8	12
25	Other Circulatory Diseases ... ..	...	1	...	...	...	...	2	3
26	Bronchitis	2	3	1	3	...	2	...	2
27	Pneumonia (all forms)	3	...	3	...	...	...	1	...
28	Other Respiratory Diseases ... ..	...	1	1	...	1	...	...	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	1	...	...	...	1	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	1	...	1	...	1
30	Appendicitis ... ..	...	...	...	...	1	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	1	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	1	1	...	1	...	...	...	...
33	Acute and Chronic Nephritis	3	1	3	2	...	1	...	2
34	Oth. Diseases of Genito-Urinary System	1	2	...	...	1	...	...	1
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	2	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	2
38	Congenital Debility, Premature Birth, Malformations, &c.	6	5	1	2	2	1	4	...
39	Old Age	2	1	1	2	2	1	2	2
40	Suicide	1	...	1	...	1	...	...	...
42	Other Violence (41)	2	3	...	2	2	2	1	2
43	Causes Ill-defined or Unknown	2	3	1	...	1	...	...	2
	All Causes	56	51	44	35	33	29	30	45
	AGE AT DEATH.								
	Under 1	8	9	2	3	2	2	4	4
	1-4	1	1	1	1	...	1	...	...
	5-9	1	1	1	...	...	1	...	...
	10-14	1	...	...	...	...	1	...	...
	15-24	2	2	1	2	2	...	...	1
	25-34 ... ..	...	6	1	3	...	3	...	1
	35-44	5	2	2	2	3	2	...	2
	45-54	3	4	5	3	5	1	3	5
	55-64	8	8	5	4	7	2	6	8
	65-74	18	12	15	9	7	5	8	13
	75-84	8	4	9	6	7	11	8	7
	85 and over	1	2	2	2	...	...	1	4
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	56	51	44	35	33	29	30	45

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of December 1939.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.						HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		BRIGHT SUNSHINE.	
			Mean of			Absolute Maximum and Minimum.			Mean of				Number of Days.	Difference from Average.	Hours per Day.	
			Maximum (A.)		Minimum (B.)	Difference from Average.		Day of Month.	Dry Bulb.		Depression of Wet Bulb.	Vapour Pressure.			Daily Mean.	Difference from Average.
			° F.	° F.	° F.	° F.	° F.	1st	° F.	° F.	° F.	Mb.	inch.	inch.		
GLASGOW. Abbotinch, Aerodrome (The Meteorological Office).	19	1015.4	29.987	42.0	34.6	38.3	-1.4	1st	56	18	29.31	7.1	89	257	0.30	-0.58
EDINBURGH. The Astronomer Royal for Scotland, Royal Observatory.	441	1015.3	29.983	42.6	34.7	38.7	-1.2	1st	57	21	19th	6.6	86	0.88	0.94	-0.43
DUNDEE. The Director of Studies, Training College.	147	1014.5	29.960	42.5	32.3	37.4	-1.5	1st	54	22	19th	6.4	84	1.29	0.91	-0.50
ABERDEEN. The Meteorological Office.	79	1013.8	29.939	43.0	35.8	39.4	-0.3	24th	52	25	18th	6.7	82	1.65	0.66	-0.55
PAISLEY. JOHN WOODROW, The Coats Observatory.	106	1015.8	29.906	43.2	35.5	39.3	-1.0	1st	55	22	29th	7.2	89	2.92	0.34	-0.50
GREENOCK. J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1015.4	29.987	43.3	35.9	39.6	-0.9	1st	56	25	19th	7.1	89	3.06	0.27	..
KIRKCALDY. The Medical Officer of Health.	137	..	..	42.3	33.3	37.8	-2.5	1st	57	21	19th	6.8	86	1.03	..	..
KILMARNOCK. W. DUNBAR, C.E.	132	..	..	42.6	30.9	36.7	-3.2	1st	57	12	29th	6.6	92	2.92	0.91	+0.04
AYR. The Medical Officer of Health.	43	..	..	44.0	33.8	28.9	..	1st	58	17	29th	7.3	90	1.84	1.07	..
DUNFERMLINE. The Carnegie Dunfermline Trust.	237	..	..	41.9	33.5	37.7	..	1st	58	20	31st	7.1	91	1.12	0.66	..
PERTH. J. RITCHIE, The Museum.	76	1016.5	30.018	42.5	31.6	37.1	-1.1	1st	55	16	29th	6.6	91	1.56	0.72	-0.37
Means	147	1015.2	29.981	42.7	33.8	38.3	-1.5	..	..	..	..	6.9	88	1.89	0.69	-0.41

North Latitude—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 56° 56'; Perth, 56° 24'; Mean, 56° 14'.

West Longitude—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 58'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarcok, Dunfermline and Perth at 9h. only, and at Glasgow

(Abbotinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45° and pressure is expressed in millibars (1000 millibars = 29.53 inches).

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh 2.

Wt. 14/26. 500 1/40. J. S. & Co. LTD Group 157 (1933).

S. O. Code No. 49-9999.